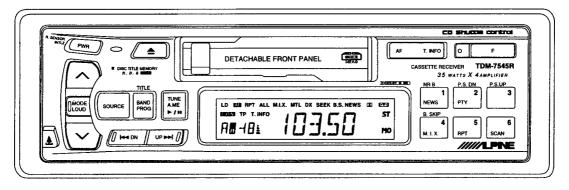


FM/MW/LW/RDS Cassette Receiver

CD Shuttle Controller

● For the cassette deck mechanism parts (GR75S310/410) of this model, refer to the Service Manual • GR-S SERIES • ADDENDUM & REVISED (II) (Part No. 68E24873S01/68E26177S01).



(TDM-7545R)

TDM-7545R/ TDM-7544R

Contents -

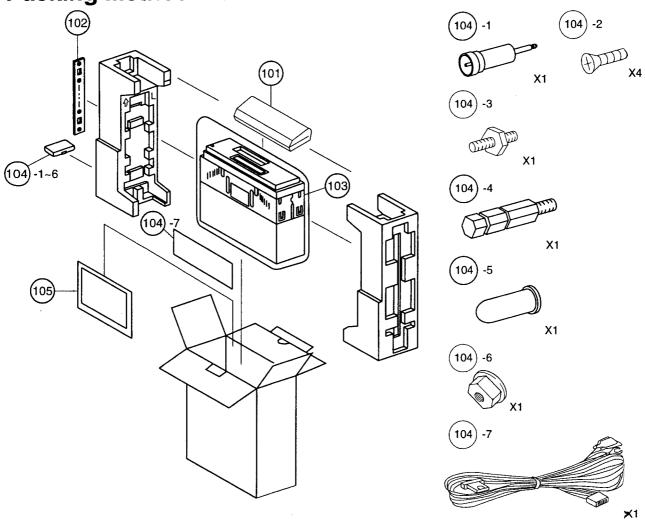
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Packing Assembly Parts List

Symbol	Part No.	Description	Symbol No.	Part No.	Description
No. 101 102 103 0 104	15D71506W01 07E09438S01 15E21170S01 01E27625S01	Carrying, Case Bracket, Strap Receiver Case, Inner Assy., Kit Installation	104-6 104-7 105-1 105-2	02E20771S01 01E27452S01 68P91666W52 68P91666W53	Nut, Hex. (M5) Assy., Power Wire (For Battery Line (Fuse 15A)) Owner's Manual Owner's Manual (I/G/S)
104-1 104-2 104-3 104-4 104-5	01E27737S01 01T15394Y02 03E10240S02 03E11374S01 03E27739S01 75E27734S01	Assy., Kit Installation Antenna, JASO-ISO Screw, MCH (M5X8) Stud, Bolt Bolt, Hex. (M5) Cap, Rubber	103-2		

 ${\tt NOTE:\bigcirc:For\,TDM-7545R\,Model\,Only,}\quad \triangle: For\,TDM-7544R\,Model\,Only,\quad Others:Common.$

Packing Method View



Specifications

FM RADIO	
Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5~108MHz
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	17.2dBf
-3dB Limiting Sensitivity (at 98.1MHz)	19.2dBf
Residual Noise (Ref. 400Hz, at 98.1MHz)	25±10dB
S/N Ratio (Stereo, at 98.1MHz)	55dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 60dB μ , at 98.1MHz)	
Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB
	10kHz : -12±3dB
Stereo Separation (1kHz, at 98.1MHz)	20dB
PS Sensitivity (at 98.1MHz)	
MW RADIO	
Intermediate Frequency	450kHz
Frequency Range	531∼1,602kHz
Usable Sensitivity (20dB S/N, at 999kHz)	
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 603kHz)	40dB
IF Rejection (at 603kHz)	40dB
Distortion (at 999kHz)	
Frequency Response (Ref. 400Hz, at 999kHz)	100Hz : -3±4dB
	4kHz : -12+6, -12dB
LW RADIO	
Intermediate Frequency	450kHz
Frequency Range	
Usable Sensitivity (20dB S/N, at 216kHz)	
S/N Ratio (at 216kHz)	42dB
Image Rejection (at 270kHz)	
mage nejection (at 270kHz)	40dB
IF Rejection (at 162kHz)	
IF Rejection (at 162kHz)	50dB
IF Rejection (at 162kHz) Distortion (at 216kHz)	
IF Rejection (at 162kHz)	
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz)	50dB
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz) TAPE PLAYER	50dB
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz) TAPE PLAYER Wow & Flutter (JIS, WRMS/MTT-111N)	50dB 1.5% 100Hz:-3±4dB 4kHz:-12+6,-12dB
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz) TAPE PLAYER Wow & Flutter (JIS, WRMS/MTT-111N) Tape Speed (MTT-111N)	50dB 1.5% 100Hz:-3±4dB 4kHz:-12+6, -12dB 0.2% 4.76cm/sec.+3 to -1%
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz) TAPE PLAYER Wow & Flutter (JIS, WRMS/MTT-111N)	50dB 1.5% 100Hz:-3±4dB 4kHz:-12+6,-12dB 0.2% 4.76cm/sec.+3 to -1% Dolby OFF: 52dB
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz) TAPE PLAYER Wow & Flutter (JIS, WRMS/MTT-111N) Tape Speed (MTT-111N) S/N Ratio	50dB 1.5% 100Hz:-3±4dB 4kHz:-12+6,-12dB 0.2% 4.76cm/sec.+3 to -1% Dolby OFF: 52dB Dolby B NR: 60.5dB (○)
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz) TAPE PLAYER Wow & Flutter (JIS, WRMS/MTT-111N) Tape Speed (MTT-111N) S/N Ratio Distortion (MTT-118)	50dB 1.5% 100Hz:-3±4dB 4kHz:-12+6, -12dB 0.2% 4.76cm/sec.+3 to -1% Dolby OFF: 52dB Dolby B NR: 60.5dB (○) 2%
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz) TAPE PLAYER Wow & Flutter (JIS, WRMS/MTT-111N) Tape Speed (MTT-111N) S/N Ratio Distortion (MTT-118) Frequency Response (-3dB)	50dB 1.5% 100Hz:-3±4dB 4kHz:-12+6,-12dB 0.2% 4.76cm/sec.+3 to -1% Dolby OFF: 52dB Dolby B NR: 60.5dB (○) 2% 250Hz~10kHz
IF Rejection (at 162kHz) Distortion (at 216kHz) Frequency Response (Ref. 400Hz, at 216kHz) TAPE PLAYER Wow & Flutter (JIS, WRMS/MTT-111N) Tape Speed (MTT-111N) S/N Ratio Distortion (MTT-118)	50dB 1.5% 100Hz:-3±4dB 4kHz:-12+6,-12dB 0.2% 4.76cm/sec.+3 to -1% Dolby OFF: 52dB Dolby B NR: 60.5dB (○) 2% 250Hz~10kHz 35dB

GENERAL

Power Supply	DC14.4
Power Output (T.H.D. 10%) /Impedance	16W/ch/4ohr
Semiconductors	22IC's, 42Transistors, 19Diodes, 7Zener Diodes (C
	17IC's, 36Transistors, 18Diodes, 7Zener Diodes (△
Dimensions (WXHXD)	
	Nose : 188×58×19.4mr
Weight	1.4k
NOTE: Due to Continuing product improvement, specificatio	ns and designs are subject to change without notice.
○: For TDM-7545R Model Only, △: For TD	M-7544R Model Only, Others :Common.

Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit

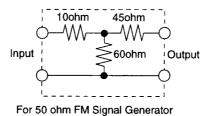


Figure 1

(2) Connections

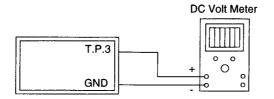
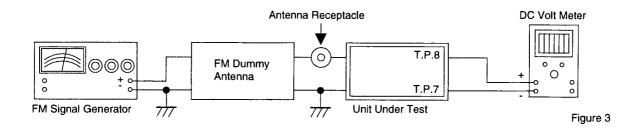
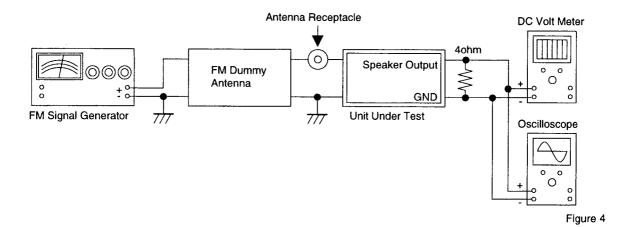
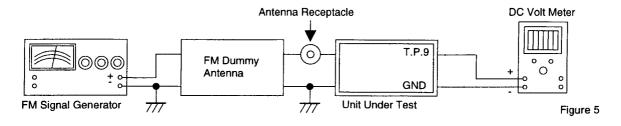
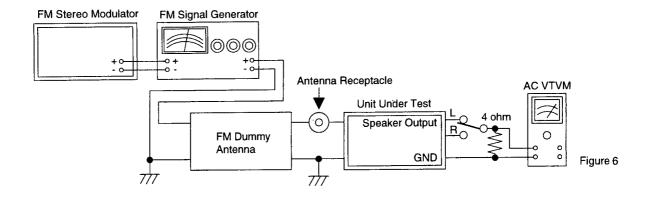


Figure 2









Balance Control Center Position Others 0FF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point/ P.W.Board Coordinates	Adjustment
1	VT Adjustment	Figure 2	_	Max.	T.P.3 (3-B)	Adjust L2006 for 7.5V.
2	IF Adjustment	Figure 3	98.1MHz, 60dB µ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.7 (4-B) T.P.8 (4-B)	Adjust L2101 for 0±20mV.
3	Ant. Coil Adjustment	Figure 4	90.1MHz, 20dB µ (Mod. 400Hz, Dev. 40kHz)	90.1MHz	Speaker Output	Adjust L2002 for max. output.
4	RF Coil Adjustment	Figure 4	90.1MHz, 20dB µ (Mod. 400Hz, Dev. 40kHz)	90.1MHz	Speaker Output	Adjust £2005 for max. output.
5	IFT Coil Adjustment	Figure 4	98.1MHz, 20dB μ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output	Adjust T2001 for max. output.
6	Signal Meter Adjustment	Figure 5	98.1MHz, 34dB µ (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.9 (4-B)	Adjust VR2101 to 3.5V.
7	Stereo Blend Adjustment (Lch)	Figure 6	98.1MHz, 34dB µ (Mod. 1kHz, Dev. 36kHz, Stereo, Lch Only)	98.1MHz	Speaker Output	Adjust VR2102 for Lch and Rch output level difference to be 8dB.
8	Stereo Blend Adjustment (Rch)	Figure 6	98.1MHz, 34dB µ (Mod. 1kHz, Dev. 36kHz, Stereo, Rch Only)	98.1MHz	Speaker Output	Proceed same adjustment under stell 7.

2. MW/LW SECTION

(1) Dummy Antenna Circuit

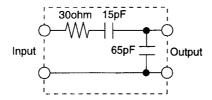
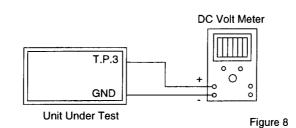


Figure 7

(2) Connections



Antenna Receptacle

AC VTVM

AM Dummy
Antenna

AM Signal Generator

AM Signal Generator

AM Dummy
Antenna

O Speaker Output

Unit Under Test

Oscilloscope

Figure 9

(3) Control Settings

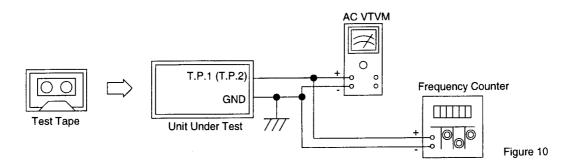
Power Switch ON	Treble/Bass Control Center Position
Fader Control Center Position	Band Switch LW/MW
Balance Control Center Position	Others 0FF

(4) Adjustment Procedures

Step	Description	Connection	Signal Generator	Dial Control	Test Point/ P.W.Board Coordinates	Adjustment
1	VT Adjustment	Figure 8	_	LW f. Max.	T.P.3 (3-B)	Adjust L2204 for 7.5V.
2	LW RF Coil Adjustment	Figure 9	162kHz, 30dB μ (Mod. 400Hz, 30%)	162kHz	Speaker Output	Adjust L2202 for max. output.
3	MW RF Coil Adjustment	Figure 9	603kHz, 30dB µ (Mod. 400Hz, 30%)	603kHz	Speaker Output	Adjust L2203 for max. output.
4	MW IFT Coil Adjustment	Figure 8	999kHz, 40dB µ (Mod. 400Hz, 30%)	999kHz	Speaker Output	Adjust T2201, 2202 for max. output.

3. TAPE PLAYER SECTION

(1) Connection



(2) Control Settings

Power Switch ON
Fader Control Center Position
Balance Control Center Position
Treble/Bass Control Center Position
Others OFF

(3) The necessaries for adjustment

GR-S Extension Cord

Assy., EX Cord Kit for GR-S Mechanism

Part No. 01E23255S01

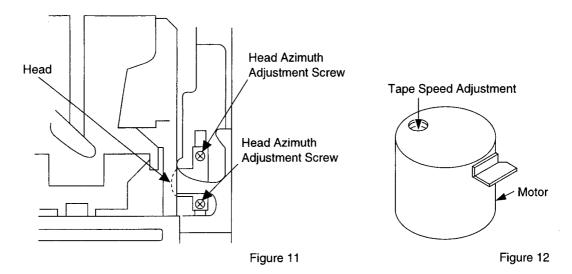
See Adjustment Locations (Figure 13).

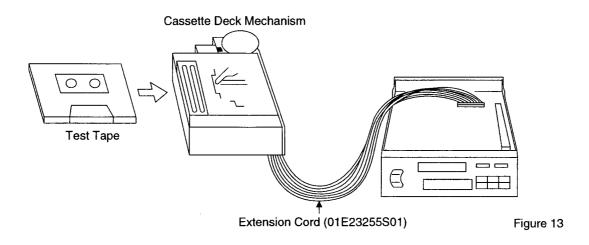
(4) Adjustment Procedures

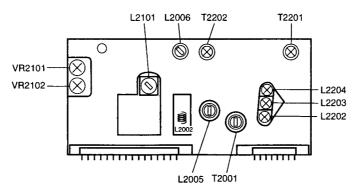
Step	Description	Test Tape	Connection	Test Point/ P.W.Board Coordinates	Adjustment Point	Adjustment
1	Head Azimuth Adjustment	MTT-114NB (14kHz)	Figure 10	T.P.1 (Lch) (2-C) T.P.2 (Rch) (2-C)	Head Azimuth Adjustment screws (Figure 11)	Adjust for Max. and same level output at Forward and Reverse positions.
2 (○)	Dolby Level Adjustment	MTT-150 (400Hz)	Figure 10	T.P.1 (Lch) (2-C) T.P.2 (Rch) (2-C)	VR2101 (Lch) VR2102 (Rch)	Adjust for 388mV at T.P.1 (Lch) and T.P.2 (Rch).
3	Tape Speed Adjustment	MTT-111N (3kHz)	Figure 10	T.P.1 (Lch) (2-C) or T.P.2 (Rch) (2-C)	Tape Speed Adjustment (Figure 12)	Adjust for 2,970 to 3,090Hz at T.P.1 (T.P.2).

NOTE: O: For TDM-7545R Model Only, Others: Common

Adjustment Locations







FM/MW/LW Tuner Unit (FE001)

NOTE: For the Test Points, refer to the Parts Layout on P.W. Boards and Wiring Diagram.

LCD Display

		ALL INFO	M.I.X.	MTL		EEK E		EWS No. 10dash	IR B &	st St Mo
PAD No.	1	2	3	4	5	6	7	8	9	10
COM.1	1b, c		2e	2d		4d	4c			
COM.2	E.O.N.)	2a	2f, g		2i	4f	4a			
COM.3	1a, e, f, j, n	2h	2n	21	2 <u>j</u>	4n, j	4b			
	11	12	13	14	15	16	17	18	19	20
	5m	5d	5k	5c	6m	6k	7m	7d	7k	8m
	5n	5h, I	5j	6e	6n	6j	7n	7h, l	7j	8n
	5g	5i	5b	6f	6g	6i	7g	7a	7i	8g
	21	22	23	24	25	26	27	28	29	30
	8d	8k	8c	9m	9d	9k	10m	10d	10k	10d. p.
	8h, I	8j	9e	9n	9h, I	9j	10n	10h, I	10j	10col
	8i	8b	9f	9g	9a	9i	10g	10a	10i	10dash
	31	32	33	34	35	36	37	38	39	40
	11m	11k	12e	12m	12d	12k	12c	МО	COM. 1	
	11n	11j	11c	12n	12h, I	12j	12b	ST		C0M. 2
	11g	11i	11b	12f	12g	12i	12a	0.0		
			i							
	41	42	43	44	45	46	47	48	49	50
		11d	11e	10c	10e	9с	8e	7c	7e	60
		11h, l	11f	10b	10f	9b	8f	7b	7f	6 b
	COM. 3	11a	○ NR B	NEWS	B. S.	SEEK	8a	DX	MTL	MI. X.

PAD No.	51	52	53	54	55	56	57	58	59	60
COM.1										
COM.2										
COM.3										

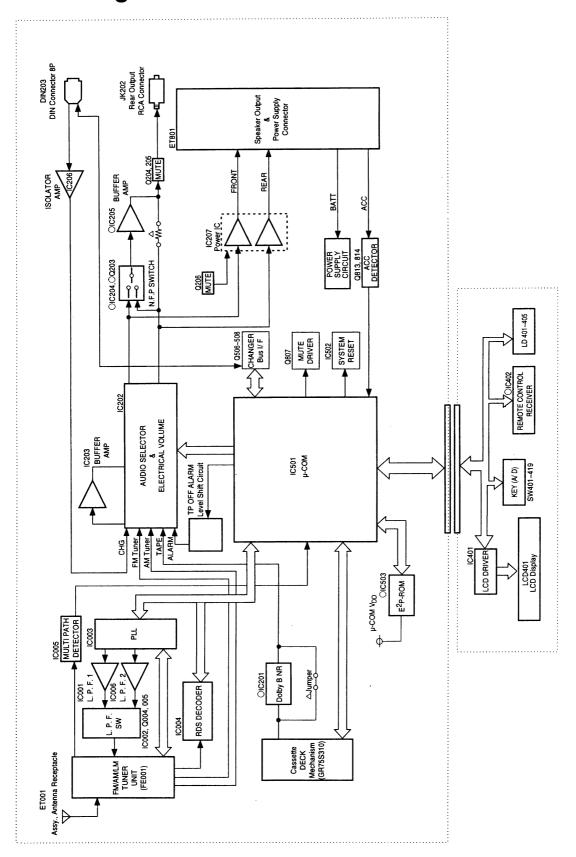
61	62	63	64	65	66	67	68	69	70

71	72	73	74	75	76
6d	5e	⇔a00	T. INFO	4e	2c
6h, I	5f	ALL	TP	3b, c	LD
6a	5a	RPT	AF	3n, j	2b

NOTE : \bigcirc : For TDM-7545R Model Only, \triangle : For TDM-7544R Model Only,

Others: Common.

Block Diagram

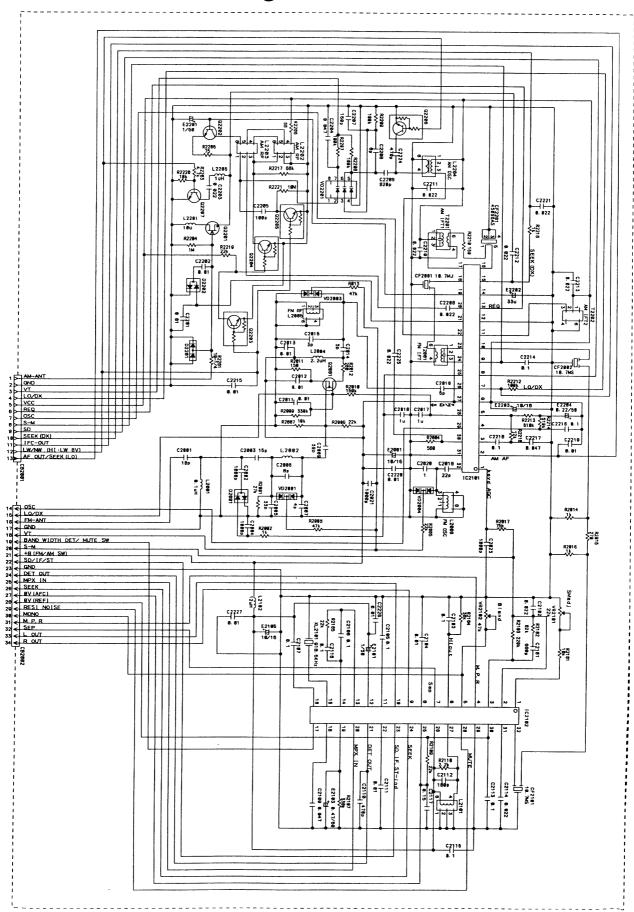


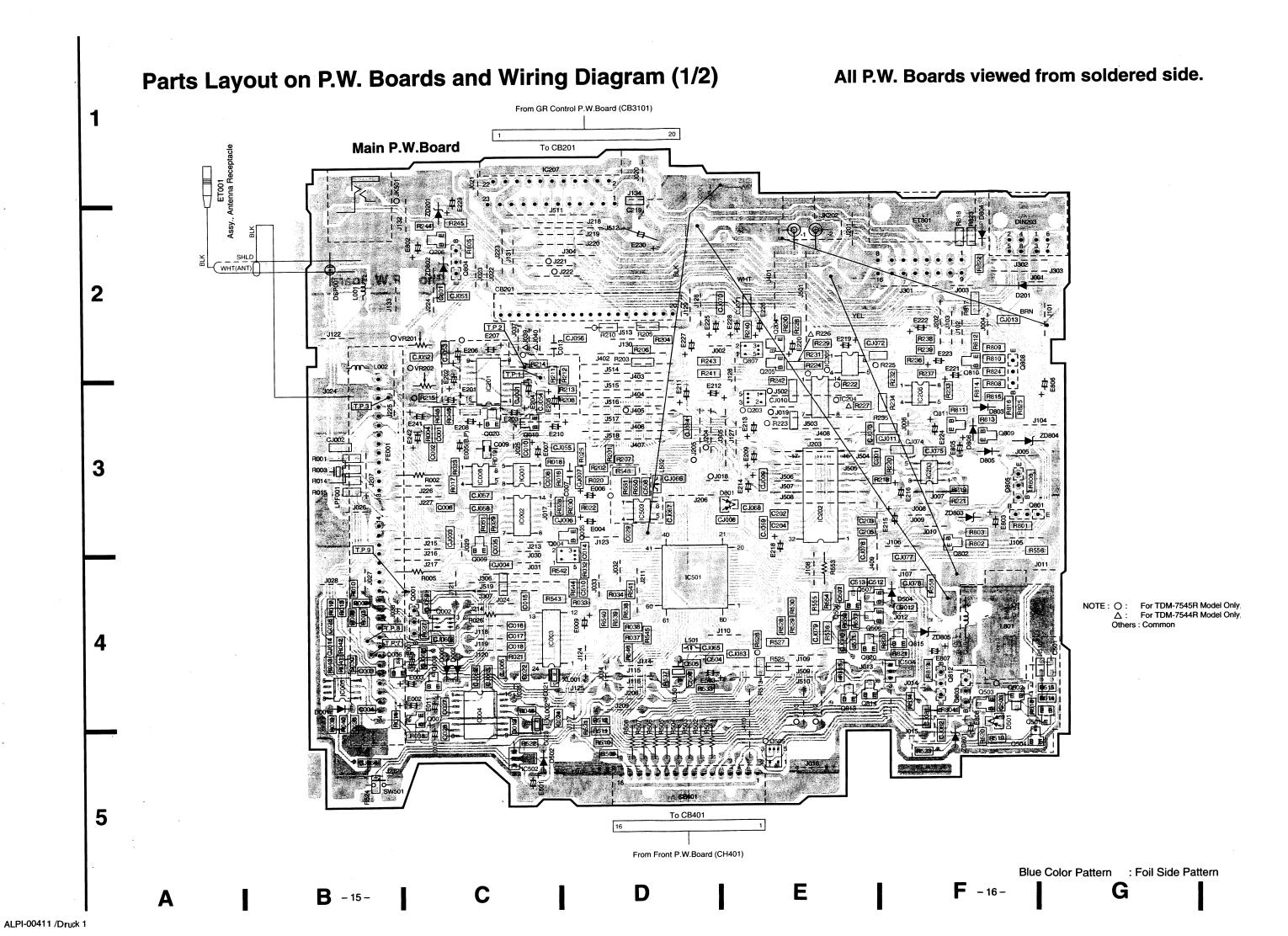
NOTE : ○: For TDM-7545R Model Only,

 \triangle : For TDM-7544R Model Only,

Others: Common.

Tuner Schematic Diagram





TDM-7545R/ TDM-7545R/ TDM-7544R TDM-7544R

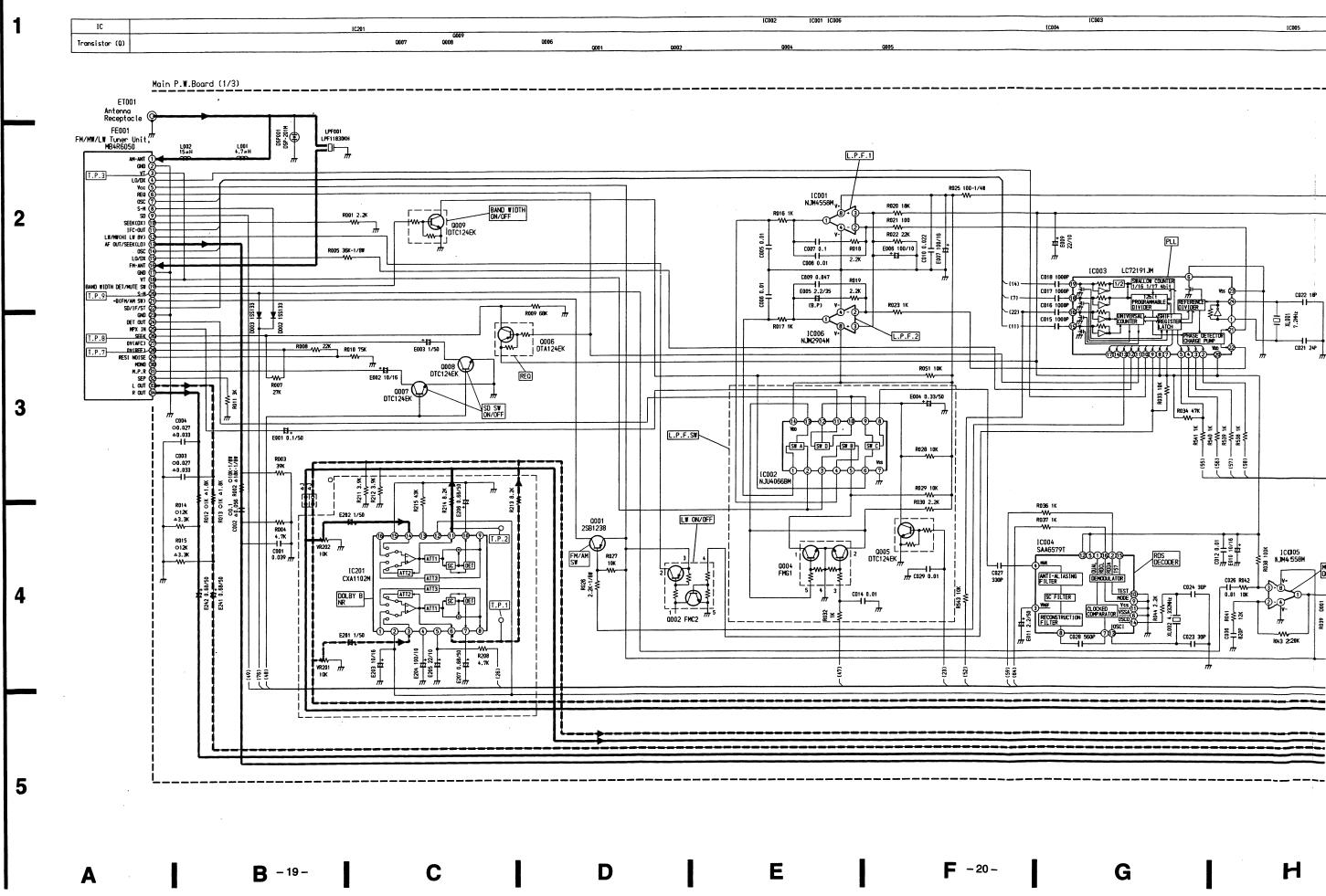
Parts Layout on P.W. Boards and Wiring Diagram (2/2)

All P.W. Boards viewed from soldered side.

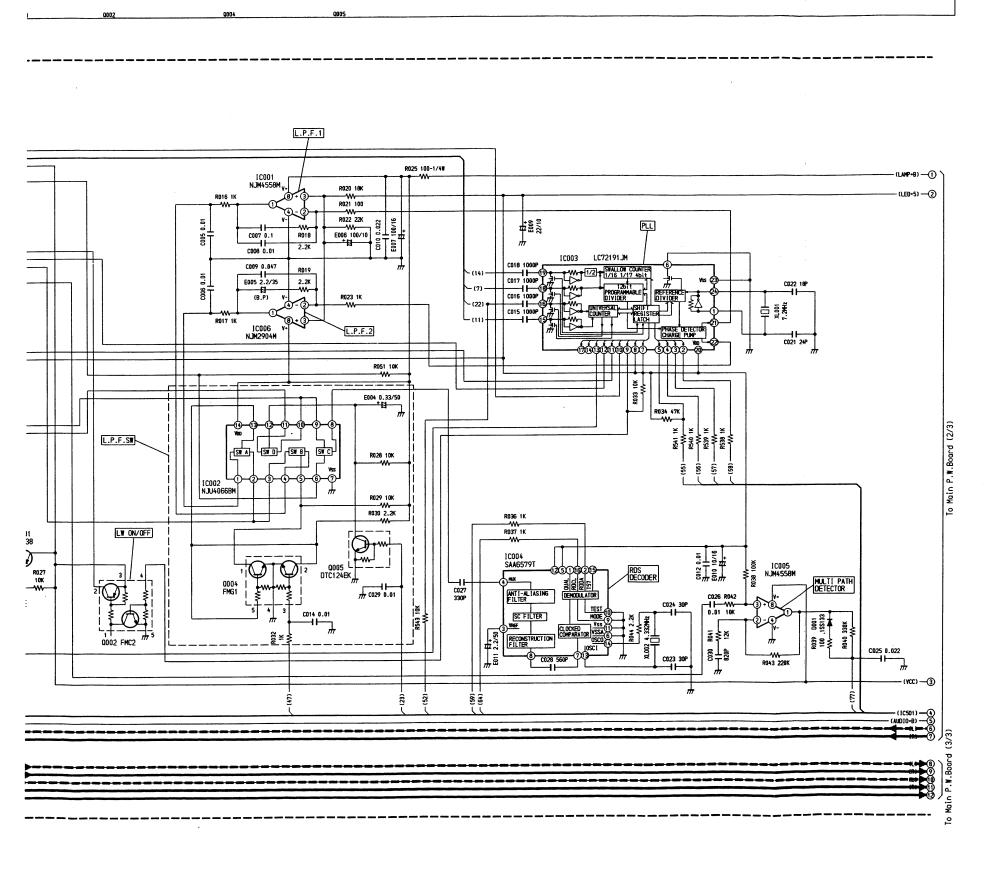
GR Control P.W.Board Photo P.W.Board To CB3101 To Main P.W. Board (CB201) HD3101 Assy., Head Front P.W.Board NOTE: O: For TDM-7545R Model Only Others: Common To Main P.W.Board (CB401) Orange Color Pattern: Component Side Pattern Blue Color Pattern : Foil Side Pattern

ALPI-00411 /Druck 2

Schematic Diagram (1/4)



ALPI-00411 /Druck 3



IC00	1, 006	IC00)2	IC003	3				CO)4			ICOC)5		201
1	3.4V	1	13V	1	2.4V	14	NC	\prod	1	NC	8-11	ov	1,2	5V	1	NC
2~4	ov	2-4	ÖV	2-4	٥٧	15, 16	٥٧	1 [2	2.6V	12	5V	3	4.9V	2	-8.8V
5-7	NC	5, 6	13V	5	5V	17	NC	11	3	2.5V	13	2.4V	4	ovi	3-7	ov
8	13V	7	٥٧	6	ov	18	٥٧	11	4	ov	14	2.5V	5-7	NC	8,9	NC
<u> </u>		8-11	3.4V	7, 8	5V	19	2.5V	11	5	5V	15	NC	8	8.8V	10-15	٥٧
		12	13V	9-11	ov	20	5V	11	6	ov	16	2.5V			16	NC
		13	ov	12	4.6V	21-23	ov	11	7	2.5V						
		14	13V	13	ov	24	2.6V]		A			•			

	E	С	В	MODE
Q001	9V/9V	0V/9V	8V / 8V	AM/FM
Q005	0V/0V	0V / 14V	5V / 0V	MUTE ON/OFF
Q006	5V	5V	ov	REQ
Q007	0V/0V	0V/0V	0V / 5V	SD SW ON/OFF
Q008	OV/OV	0V/0V	0V / 5V	SD SW ON/OFF
Q009	0V/0V	0V / 13V	8V/0V	BAND WIDTH ON/OFF

	1	2	3	4	5	MODE
Q002	NC	8V / 0V	8V / 8V	5V / 0V	0V / 0V	LW ON/OFF
Q004	13V / 0V	0V / 13V	5V / 0V	ov/ov	0V / 13V	AF ON/OFF

[Measuring Conditions]

 Power Supply Voltage : DC14.4V

: Digital Multi Meter • Measuring Meter

• Measuring Point Reference: Between Ground

• Measuring Conditions : No Signal Input

FM 98.1MHz MW 999kHz

LW 216kHz

Tape Blank

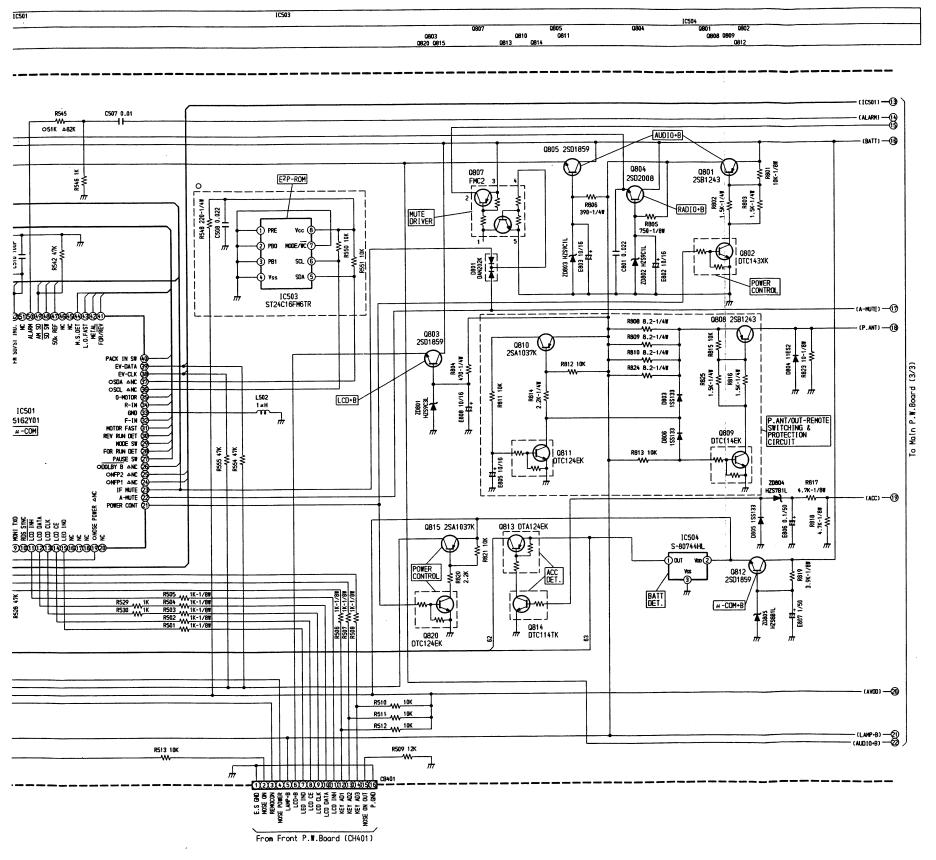
NOTE: O: For TDM-7545R Model Only,

• : For TDM-7544R Model Only,

Others : Common.

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. P = 1,000,000



IC501)					IC50)2
1-3	5.1V	29	5.1V	64	2.5V	1, 2	5.2V
4	ov	30-35	ov	65	5.1V	3	ov
5, 6	NC	36, 37	○ ov	66, 67	ov		
7-9	5.1V	30, 3/	ΔNC	68	5.1V		
10	ov	38-43	ov	69	3.1V	01	C503
11	5.1V	44	5.1V	70	2.7V	1-7	ov
12, 13	٥٧	45, 46	NC	71	٥٧	8	5V
14	3.5V	47, 48	5.1V	72	NC		
15	5.1V	49, 50	٥٧	73	٥٧	l	
16-18	NC	51	NC	74, 75	5.1V	IC50	
19	O 5.1V	52	4.3V	76, 77	٥٧	114	4.9V
19	ΔNC	53, 54	NC	78	2.1V	2	5.2V
20	NC	55~58	ov	79	ov	3	ov
21	5.1V	59	2.5V	80	2.5V	1	
22, 23	ov	60	5.1V				
24-26	O 5.1V	- 61	○3.5V				
24-20	ΔNC] "	ΔNC				
27, 28	ov	62, 63	4.9V				

				MODE
	E	С	В	MODE
O 0501	5V / 5V	5V / OV	5V / 5V	REAR REMOTE CONTROL ON/OFF
O 0502	0V/0V	0V/0V	4V / 0V	REAR REMOTE CONTROL ON/OFF
○ Q503	0V/0V	3V / 3V	0V/0V	REAR REMOTE CONTROL ON/OFF
O 0504	0V/0V	0V/0V	0V/0V	REAR REMOTE CONTROL ON/OFF
Q801	14V / 14V	14V/0V	13V / 13V	POWER ON/OFF
Q802	0V/0V	0V / 14V	5V / OV	POWER ON/OFF
Q803	9V/0V	14V / 14V	9V / OV	POWER ON/OFF
Q804	9V / 0V	14V / 14V	9V / OV	POWER ON/OFF
Q805	9V/0V	14V / 14V	9V / OV	POWER ON/OFF
Q808	14V/0V	14V/0V	13V / 13V	POWER ON/OFF
Q809	0V/0V	0V / 13V	13V / 0V	POWER ON/OFF
Q810	13V / 13V	13V / 0V	13V / 13V	PROTECT ON/OFF
Q811	0V/0V	13V / 0V	10V/0V	PROTECT ON/OFF
Q812	5.2V	14V	5.8V	
Q813	5V / 5V	5V / 0V	0V / 5V	ACC ON/OFF
Q814	0V/0V	0V / 5V	7V/0V	ACC ON/OFF
Q815	5V / 5V	5V / 0V	5V / 5V	POWER ON/OFF
Q820	0V/0V	0V / 5V	5V / OV	POWER ON/OFF

	1	2	3	4	5	MODE
O 0505	NC	5V	5V	5V	ov	
Q807	NC	14V/0V	14V / 14V	5V/0V	0V/0V	MUTE ON/OFF

[Measuring Conditions]

• Power Supply Voltage

 Measuring Meter : Digital Multi Meter • Measuring Point Reference: Between Ground

 Measuring Conditions : No Signal Input

FM 98.1MHz

MW 999kHz

LW 216kHz

: DC14.4V

Tape Blank

NOTE: O: For TDM-7545R Model Only,

: For TDM-7544R Model Only,

Others: Common.

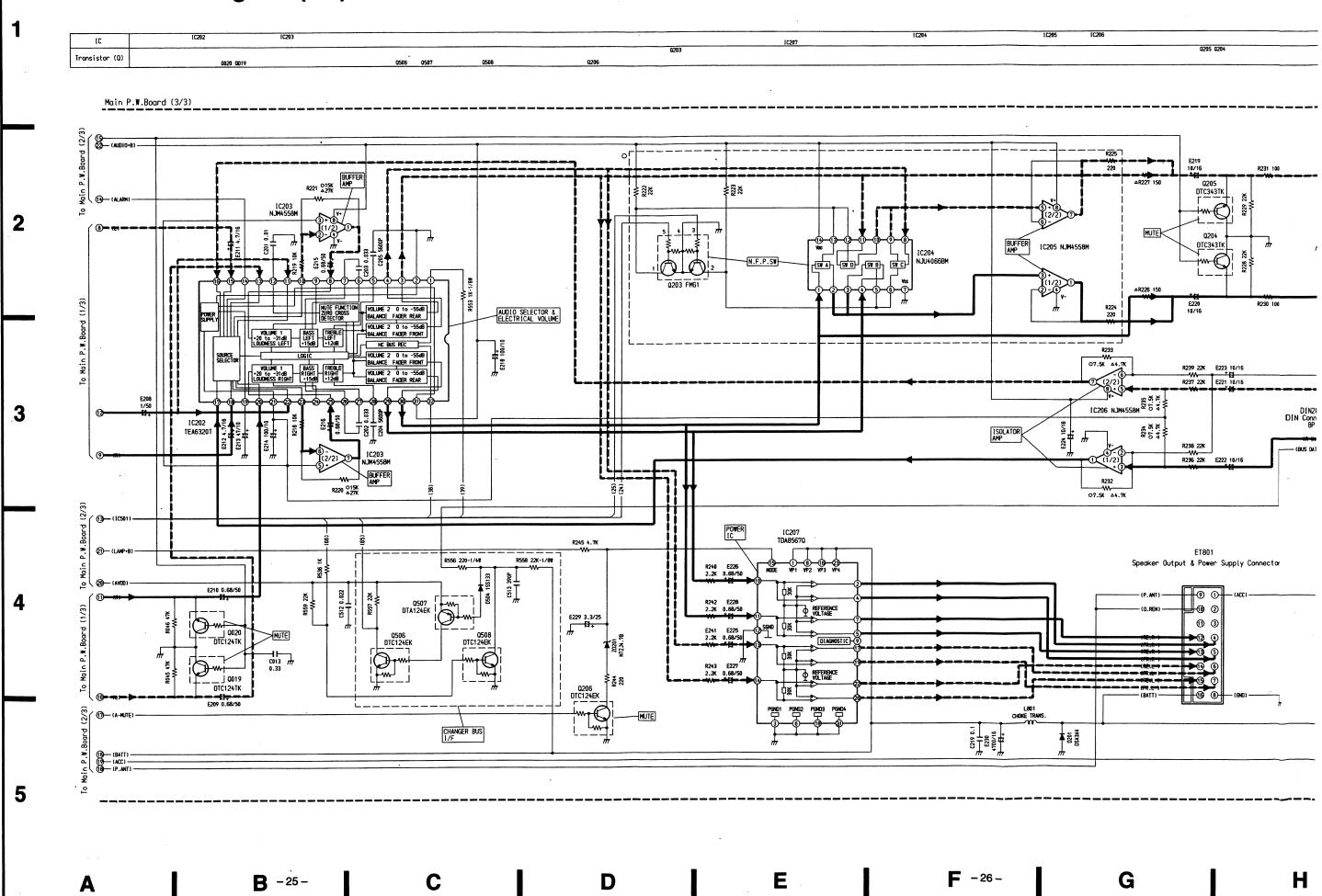
NOTE:

1. All resistance values are in ohms. K = 1,000

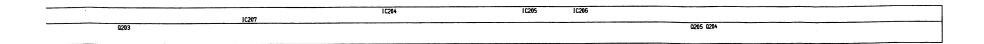
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

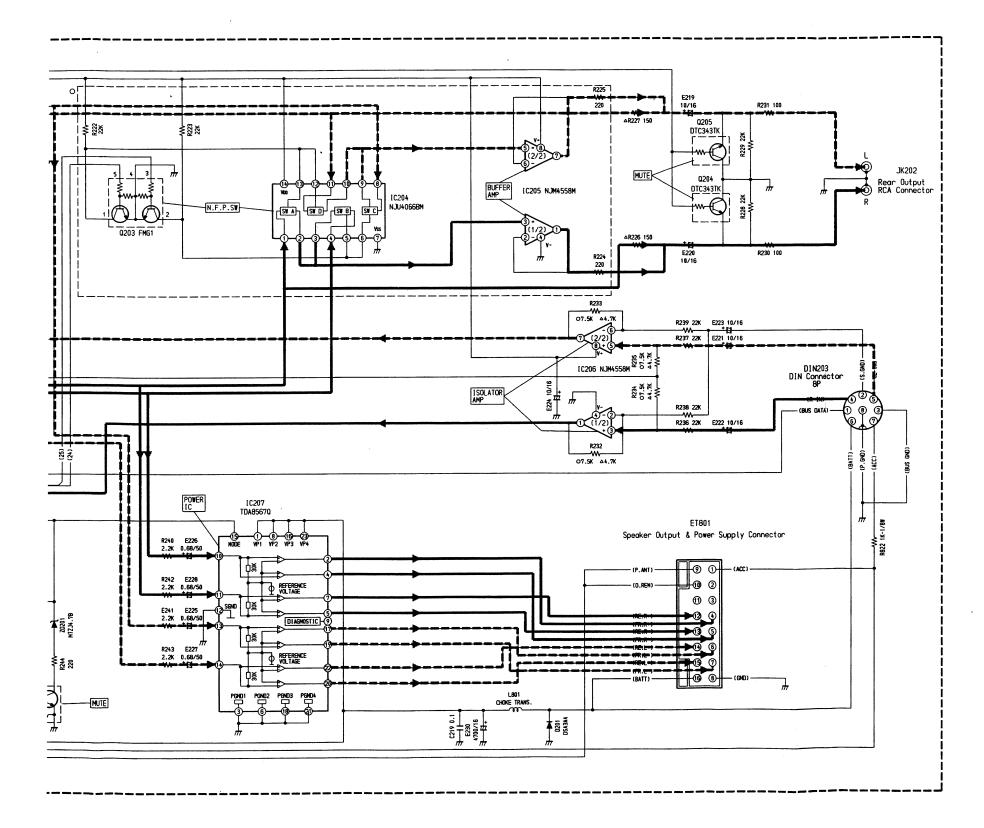
H G

Schematic Diagram (3/4)



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IC20	2			IC20	3, 206	O IC	204	\bigcirc 10	205	IC207	7		
1	5.2V	13-18	4.5V	1-3	4.4V	1-4	4.4V	1-3	4.4V	1	14V	13, 14	2V
2	0V	19	8.9V	4	ov	5-7	ov	4	ov	2	7.1V	15	5.6V
3-7	4.5V	20-23	4.5V	5-7	4.4V	8-11	4.4V	5-7	4.4V	3	0V	16	14V
8	ov	24	NC	8	8.8V	12~14	8.8V	8	8.8V	4, 5	7.1V	17	7.1V
9	NC	25	0V	-				J L		6	OV	18	ov
10	4.5V	26-30	4.5V							7	7.1V	19, 20	7.1V
11	_	31	9V							8	4.5V	21	ov
12	8.9V	32	4.5V							9	NC	22	7.1V
				,						10, 11	2V	23	14V
										12	ov		

	E	. с	В	MODE
Q019	0V/0V	0V/0V	14V/0V	MUTE ON/OFF
2020	0V/0V	0V/0V	14V/0V	MUTE ON/OFF
2204	0V/0V	0V/0V	14V/0V	MUTE ON/OFF
2205	0V/0V	0V/0V	14V/0V	MUTE ON/OFF
2206	0V/9V	0V/0V	5V/0V	MUTE ON/OFF
2506	ov	5V	ov	
Q507	5V	ov	5V	
Q508	ov	14V	ov	

	1	2	3	4	5	MODE
O 0203	9V / 0V	0V/9V	5V / 0V	0V/0V	0V / 5V	NFP ON/OFF

[Measuring Conditions]

 Power Supply Voltage : DC14.4V Measuring Meter : Digital Multi Meter • Measuring Point Reference: Between Ground Measuring Conditions : No Signal Input FM 98.1MHz

MW 999kHz LW 216kHz Tape Blank

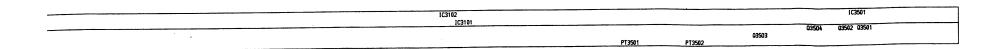
NOTE: O: For TDM-7545R Model Only, • : For TDM-7544R Model Only,

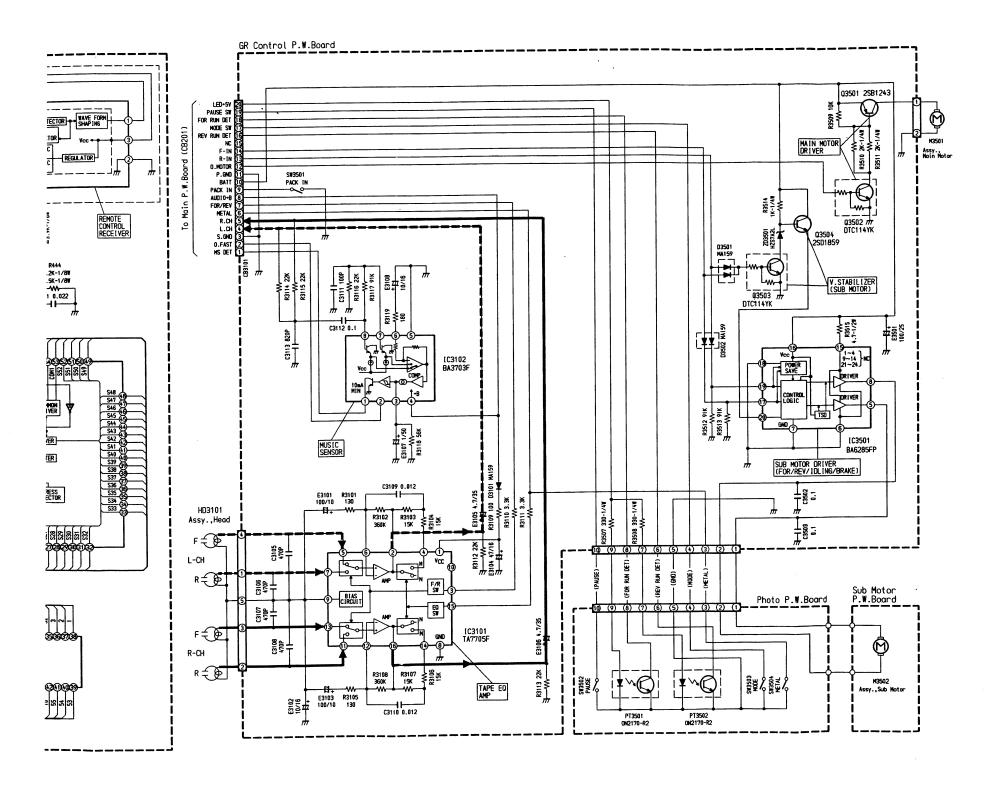
Others: Common.

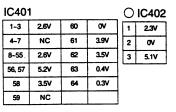
NOTE:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = 1,000,000

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	E	С	В	MODE
Q401	0V / 0V	0V / 14V	5V / 0V	LED IND. ON/OFF

[Measuring Conditions]

 Power Supply Voltage : DC14.4V • Measuring Meter : Digital Multi Meter • Measuring Point Reference : Between Ground Measuring Conditions : No Signal Input FM 98.1MHz MW 999kHz LW 216kHz

Tape Blank

IC31	01			IC31	02	IC350)1
1	10.7V	9	3V	1	5.2V	1-4	NC
2	3.1V	10	NC	2,3	ov	5-8	٥٧
3	5.2V	11-13	3V	4	12V	9~14	NC
4	3.1V	14	3.1V	5	ov	15, 16	12V
5-7	3V	15	٥٧	6	0.6V	17-19	٥٧
8	ov	16	3.1V	7,8	ov	20	12V
				-		21-24	NC

	E	С	В	MODE
Q3501	12V	11.8V	11.3V	
Q3502	ov	0.1V	5V	
Q3503	٥٧	5.5V	ov	
Q3504	11.6V	12V	12V	

[Measuring Conditions]

: DC12V Power Supply Voltage

: Digital Multi Meter Measuring Meter • Measuring Point Reference : Between Ground : Tape Blank Measuring Conditions

NOTE: O: For TDM-7545R Model Only,

• : For TDM-7544R Model Only,

Others: Common.

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Description of IC Terminal

15162Y01 : IC501

		01:10501						
No.		Symbol	1/0	Terminal Description				
1		KEY A / D 3	1	Key A/D 3 Input Terminal.				
2		KEY A / D 2	ı	Key A/D 2 Input Terminal.				
3		KEY A / D 1	ı	Key A/D 1 Input Terminal.				
4		GND	_	GND Connection Terminal.				
5		NC	_	No Connection Terminal.				
6				·				
7		V _{DD}		Power Supply Connection Terminal.				
8		MONI RXD	1	RDS Monitor Input Terminal.				
9		MONI TXD	0	RDS Monitor Output Terminal.				
10		RDS SYNC	0	Sync. Signal Output Terminal.				
11		LCD INH	0	INH Signal Output Terminal to LCD Driver (LC75850W).				
12		LCD DATA	0	Serial Data Output Terminal to LCD Driver (LC75850W).				
13		LCD CLK	0	Serial Clock Output Terminal to LCD Driver (LC75850W).				
14		LCD CE	0	CE Signal Output Terminal to LCD Driver (LC75850W).				
15		LED IND	0	Function Indicator Control Signal Output Terminal.				
16								
S	1	NC	_	No Connection Terminal.				
18								
10	0	NOSE POWER	0	Power Control Signal Output Terminal to Nose.				
19	Δ	NC	_	No Connection Terminal.				
20		NC	_	No Connection Terminal.				
21	Р	OWER CONT	0	Power Supply Control Signal Output Terminal for Audio, Light and Tuner.				
22		A-MUTE	0	Audio Mute Signal Output Terminal.				
23		IF MUTE	0	IF Mute Output Terminal.				
24	0	NFP 1	0	NFP Control Signal Output Terminal.				
24	Δ	NC		No Connection Terminal.				
25	0	NFP 2	0	NFP Control Signal Output Terminal.				
25	Δ	NC	-	No Connection Terminal.				
00	0	DOLB Y B	0	B NR ON/OFF Signal Output Terminal.				
26	Δ	NC	_	No Connection Terminal.				
27	PAUSE SW		ı	Pause Mode Detection Input Terminal.				
28	FOR RUN DET		ı	For Reel Rotating Detection Input Terminal.				
29	MODE SW		1	Mode Detection Input Terminal.				
30	REV RUN DET		1	Rev Reel Rotating Detection Input Terminal.				
31	MOTOR FAST		0	Main Motor Rotating Control Output Terminal.				
32	2 F-IN		0	Sub Motor Rotating Control Output Terminal.				
33		GND	_	GND Connection Terminal.				
34		R-IN	0	Sub Motor Rotating Control Output Terminal.				
35		O-MOTOR	0	Motor Rotating Control Output Terminal.				
لـــــا	L							

No.	Symbol	I/O	Terminal Description					
	O SCL	0	Clock Output Terminal for E ² P-ROM.					
36	△ NC	_	No Connection Terminal.					
	O SDA	1/0	Data Terminal for E ² P-ROM.					
37	△ NC	_	o Connection Terminal.					
38	EV-CLK	0	Serial Clock Output Terminal to Electrical Volume (TEA6320T).					
39	EV-DATA	0	Serial Data Output Terminal to Electrical Volume (TEA6320T).					
40	PACK IN SW	ı	Pack IN Detection Input Terminal.					
41	FOR / REV	0	Tape Direction Indicator Output Terminal.					
42	METAL	1	Metal Tape Detection Terminal.					
43	L.O.FAST	0	Gain Control Signal Output Terminal of MS IC at CUE/REV.					
44	M.S.DET	ì	Blank Detection Signal Input Terminal.					
45 46	NC	_	No Connection Terminal.					
47	50k REF	0	LPF Switching Signal Output Terminal at Active RDS.					
48	SD SW	0	Time Constant Switching Terminal for High Speed Active PLL.					
49	AM SD	ì	AM SD Signal Input Terminal.					
50	ALARM	I O Alarm Signal Output Terminal.						
51	NC	NC — No Connection Terminal.						
52	FM SD / ST IND.	i	ST Signal Input Terminal at Receiving FM. FM SD Signal Input Terminal at Tuning FM.					
53 54	NC		No Connection Terminal.					
55	PLL DI	ı	Data Input Terminal from PLL (LC72191JM).					
56	PLL CLK	0	Sync. Signal Output Terminal to PLL (LC72191JM).					
57	PLL DO	0	Data Output TErminal to PLL (LC72191JM).					
58	PLL CE	0	Communication Control Signal Output Terminal to PLL (LC72191JM).					
59	RDS DATA	ı	RDS Data Input Terminal from RDS Decoder (SAA6579T).					
60	RESET	i	System Reset Signal Input Terminal.					
61	O REMOCON	ı	Remocon Data Input Terminal.					
61	△ NC		No Connection Terminal.					
62	ACC DET	ı	ACC (Ignition) Detection Signal Input Terminal.					
63	BAT DET	ı	Battery Detection Signal Input Terminal. (Manage Compulsion Stand-by.)					
64	RDS CLOCK	ı	RDS Clock Input Terminal from RDS Decoder (SAA6579T).					
65	CHG BUS IN		Signal Input Terminal from CD Changer BUS I/F.					
66	CHG BUS OUT		Signal Output Terminal to CD Changer BUS I/F.					
67	PULL-DOWN		Pull-Down Connection Terminal.					
68	V _{DD}		Power Supply Connection Terminal.					
69 X2 — System Clock OSC Circuit Connection			System Clock OSC Circuit Connection Terminal. (4.9152MHz)					
70			, , , , , , , , , , , , , , , , , , , ,					
71	GND		GND Connection Terminal.					
72	NC		No Connection Terminal.					

No.	Symbol	1/0	Terminal Description	
73	GND	_	GND Connection Terminal.	
74	AVDD		Analog Power Supply Terminal for A/D Converter.	
75	AVREF	I	Reference Voltage Input Terminal for A / D Converter.	
76	S-METER	ı	Signal Meter Input Terminal.	
77	MULTIPATH	1	Multi Path Rejection Detection Terminal for Receiving Station.	
78	SELECT	1	Function Set Up Input Terminal.	
79	GND		GND Connection Terminal.	
80	NOSE ON	1	Front Panel Detection Signal Input Terminal.	

NOTE : ○: For TDM-7545R Model Only,

△: For TDM-7544R Model Only,

Others: Common.

Electrical Parts List

Resistor: Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

			Capacitor: µ F=				ds schematic diagram.
Г		Abbrev	iations		Symbo		Description
	RES.= Re		CAP.= Capacitor	L	No.		
		rbon Film	ELY.= Electrolytic	I 8	Q501		CP., 2SA1037K
	M.F.= Me		CER.= Ceramic		○ Q502		CP., DTC114EK
		etal Oxide Film	MYL.= Mylar		O 0503		CP., DTC114EK
1	И.Р.= Ме		TAN.= Tantalum		⊃ Q504 ⊃ Q505		CP., DTC114EK
	FR. = Tra	insistor : Transformer	POLY.= Polystyrol	11	⊃ Q5 05	48E11274S01	CP., FMC2
	i naivo.= CP. = Chi		PP. = Polypropylene PLT.= Polyethylene	Ш	Q506	48E10426S01	CP., DTC124EK
1 `	JF. = UIII	ıρ	PF. = Polyester Film	П	Q507	1	CP., DTC124EK
H-0	ymbol	Part No.	Description		Q508	1	CP., DTC124EK
١	No.	Faitino.	Description		Q801	48E23853S01	2SB1243
\vdash	110.	·			Q802		CP., DTC143XK
L	Main	P.W.Board		ı			
1	10:				Q803	48E23606S01	2SD1859
<u> </u>	IC's	Is a space of the state of the	10.10.4.5.50.4		Q804	48E23542S01	2SD2008
	IC001	51E20551S01	NJM4558M		Q805	48E23606S01	2SD1859
1	IC002 IC003	51E23844S01	NJU4066BM		Q807	48E11274S01	CP., FMC2
	IC003	51T85265W02 51T55054W02	LC72191JM SAA6579T		Q808	48E23853S01	2SB1243
l	IC005	51E20551S01	NJM4558M		Q809	48E22093S01	CP., DTC114EK
1	10000	101220001001	140144336W	ı	Q810	48E22990S01	CP., 2SA1037K
ı	10006	51E23842S01	NJM2904M		Q811	48E10426S01	CP., DTC124EK
\circ	IC201	51T11210W01	CXA1102M	1	Q812	48E23606S01	2SD1859
Ŭ	IC202	51T65131W01	TEA6320T		Q813	48E22092S01	CP., DTA124EK
ı	IC203	51E20551S01	NJM4558M				.,,
0	IC204	51E23844S01	NJU4066BM		Q814	48E23601S01	CP., DTC114TK
	1		1	1	Q815	48E22900S01	CP., 2SA1037K
0	IC205	51E20551S01	NJM4558M	1	Q820	48E10426S01	CP., DTC124EK
	IC206	51E20551S01	NJM4558M	1			
	IC207	51T95038W02	TDA8567Q	ı			
	IC501	51T15162Y01	15162Y01				
	IC502	51T95014F13	S-8052HNM-CR		σ.		
	IC503	51T15231Y01	ST24C16FM6TR	\vdash	D100	les / Surge Pi	
	IC504	51T95563W01	S-80744HL		D002	48E22916S01	1SS133 1SS133
			0 00744112		D002	48E22916S01	1SS133
	i			ı	D201	48T68580F03	DSA3A4
i						48E10945S01	CP., DAN202K
				1			
	Trans			ı	D502	48E22916S01	1SS133
		48E23541S01	2SB1238		D504	48E22916S01	1SS133
l	Q002	48E11274S01	CP., FMC2		D801	48E10945S01	CP., DAN202K
	Q004	48E23846S01	CP., FMG1	1	D803	48E22916S01	1SS133
	Q005	48E10426S01	CP., DTC124EK		D804	48E20758S01	11ES2
Ī	Q006	48E22092S01	CP., DTA124EK		D000	4050001000	100100
	Q007	48E10426504	CP DTC124EK		D805	48E22916S01	1\$\$133
		48E10426S01 48E10426S01	CP., DTC124EK CP., DTC124EK		D806	48E22916S01	1SS133
	Q009	48E10426S01	CP., DTC124EK	I	ZD20	1	Zener, MTZJ4.7B
Ì	Q019	48E27613S01	CP., DTC124EK	1	ZD80		Zener, HZS9C3L
	Q020	48E27613S01	CP., DTC124TK	Ī	2000	1-0100120F20	Zener, HZS9C1L
					ZD803	48T83128F25	Zener, HZS9C1L
0	Q203	48E23846S01	CP., FMG1		ZD804		Zener, HZS7B1L
	_	48E20986S01	CP., DTC343TK		ZD809	1	Zener, HZS6B1L
		48E20986S01	CP., DTC343TK	I		01 48T81909F01	Surge Protector, DSP-201M
	Q206	48E10426S01	CP., DTC124EK				1

NOTE : \bigcirc : For TDM-7545R Model Only, \triangle : For TDM-7544R Model Only, Others : Common.

Symbol	Part No.	Description		ymbol No.	Part No.		Description
No.	<u> </u>		\vdash	E011	23E09402S13	ELY.,	2.2µF / 50V
Coil			ŀ	C012	08E22083S01	CP.,	0.01µF
L001	25E23608S01	Inductor, 4.7µH		C013	08E27616S01	TF,	0.33µF
L002	24E24202S01	Inductor, 15µH	ŀ	C014	08E22083S01	CP.,	0.01µF
L501	24E22096S01	Inductor, CP. 1µH		C015	08E22081S01	CP.,	1000pF
L502	24E22096S01	Inductor, CP. 1µH	į				•
L801	24E27607S01	Choke, Trans.	1	C016	08E22081S01	CP.,	1000pF
1.001	24627007001	Onore, Trans.		C017	08E22081S01	CP.,	1000pF
				C018	08E22081S01	CP.,	1000pF
		·		C021	08E23580S01	CP.,	24pF
		<u> </u>		C022	08E23579S01	CP.,	18pF
O	4-1-			10022	00220070001	0,	.op.
Crys		7.2MHz	1	C023	08E08423S05	CP.,	30pF
	li .			C024	08E08423S05	CP.,	30pF
XL002		4.332MHz		C025	08E22085S01	CP.	0.022μF
XL501	91E27605S01	4.9152MHz		C025	08E22083S01	CP.,	0.01μF
							•
	1		1	C027	08E22079S01	CP.,	330pF
				0000	09527610501	l _{CB}	E60nE
				C028	08E27612S01	CP.,	560pF
Filte			1	C029	08E22083S01	CP.,	0.01µF
LPF00	1 91T75257W02	LPF11830KH		C030	08E22511S01	CP.,	820pF
			_	C201	08E22083S01	CP.,	0.01µF
			0	E201	23E09402S01	ELY.,	1μF / 50V
		<u> </u>				l	
				C202	08E22086S01	CP.,	0.033µF
Swi			0	E202	23E09402S01	ELY.,	1μF / 50V
SW50	1 40E27609S01	Tact, SKHH17920A (RESET)		C203	08E22086S01	CP.,	0.033µF
			0	E203	23E09402S02	ELY.,	10μF / 16V
				C204	08E23599S01	CP.,	5600pF
						l	
			0	E204	23E09402S09	ELY.,	100μF / 10V
	acitors			C205	08E23599S01	CP.,	5600pF
C001	08E24214S01	CP., 0.039μF	_	E205	23E09402S07	ELY.,	22μF / 10V
E001	23E09402S10	ELY., 0.1μF / 50V		E206	23E09402S03	ELY.,	0.68μF / 50V
○ C002	08E26532S01	CP., 0.1μF	0	E207	23E09402S03	ELY.,	0.68μF / 50V
△ C002	08E27735S01	CP., 0.056µF					
E002	23E09402S02	ELY., 10μF / 16V		E208	23E09402S01	ELY.,	1μF / 50V
				E209	23E09402S03	ELY.,	0.68µF / 50V
○ C003	08E08577S04	CP., 0.027µF	0	C210	08E22081S01	CP.,	1000pF
△ C003	08E22086S01	CP., 0.033µF		E210	23E09402S03	ELY.,	0.68μ F / 50V
E003	23E09402S01	ELY., 1µF / 50V		E211	23E27614S01	ELY.,	4.7μF / 16V
O C004	08E08577S04	CP., 0.027μF				1	
△ C004	08E22086S01	CP., 0.033µF	1	E212	23E27614S01	ELY.,	4.7μF / 16V
			1	E213	23E09402S12	ELY.,	47μF / 10V
E004	23E09402S16	ELY., 0.33µF / 50V	1	E214	23E09402S09	ELY.,	100μF / 10V
C005	08E22083S01	CP., 0.01µF		E215	23E09402S03	ELY.,	0.68µF / 50V
E005	23E09403S03	ELY., (B.P) 2.2µF / 35V		E216	23E09402S03	ELY.,	0.68µF / 50V
C006	08E22083S01	CP., 0.01µF				1	
E006	23E09402S09	ELY., 100µF / 10V	1	E218	23E09402S09	ELY.,	100μF / 10V
				C219	08E22088S01	CP.,	0.1μF
C007	08E22435S01	TF, 0.1μF		E219	23E09402S02	ELY.,	10μF / 16V
E007	23E27615S01	ELY., 100µF / 16V		E220	23E09402S02	ELY.,	10µF / 16V
C008	08E22083S01	CP., 0.01µF		E221	23E09402S02	ELY.,	10μF / 16V
C009	08E22938S01	TF, 0.047μF		l		1	•
E009	23E09402S07	ELY., 22µF / 10V		E222	23E09402S02	ELY.,	10μF / 16V
				E223	23E09402S02	ELY.,	10μF / 16V
C010	08E22085S01	CP., 0.022µF		E224	23E09402S02	ELY.,	10µF / 16V
E010	23E09402S02	ELY., 10µF / 16V		E225	23E09402S03	ELY.,	0.68µF / 50V
						1	•
	-1			<u> </u>			

S	ymbol	Part No.	Description	S	ymbol	Part No.	Description
1	No.		·		No.	į.	,
	E226	23E09402S03	ELY., 0.68µF / 50V		R019	06E22051S01	2.2K ohm
•	E227	23E09402S03	ELY., 0.68µF / 50V	1	R020	06E22035S01	18K ohm 1/8W
	E228	23E09402S03	ELY., 0.68µF / 50V	l	R021	06E22041S01	100 ohm
İ	E229	23E09402S04	ELY., 3.3µF / 25V		R022	06E22060S01	22K ohm
ı	E230	23E27604S01	ELY., 4700µF / 16V	į	R023	06E22048S01	1K ohm
ļ	l		·				
	E241	23E09402S03	ELY., 0.68µF / 50V		R025	06E22115S01	100 ohm 1/4W
l	E242	23E09402S03	ELY., 0.68µF / 50V		R027	06E20903S01	10K ohm
0	C501	08E22088S01	CP., 0.1µF		R028	06E20903S01	10K ohm
	E501	23E09402S02	ELY., 10µF / 16V	· [R029	06E20903S01	10K ohm
0	C503	08E08577S02	CP., 1500pF		R030	06E22051S01	2.2K ohm
	0303	00200377002	ог., тооорг	1	11030	00222031301	2.28 01111
	E503	23E09402S09	ELY., 100µF / 10V		R032	06E22048S01	1K ohm
ı	C504	08E22085S01	· ·			I	10K ohm
	Į.	l .	· ·		R033	06E20903S01	
l	C505	08E23580S01	CP. 24pF		R034	06E22062S01	47K ohm
	C506	08E08423S04	CP., 27pF	1	R036	06E22048S01	1K ohm
1	C507	08E22083S01	CP., 0.01μF		R037	06E22048S01	1K ohm
_	CEAS	0050005004	CB 0.022::E		Boon	06E00007004	100K about 1/0M
0	C508	08E22085S01	CP., 0.022µF		R038	06E22037S01	100K ohm 1/8W
	C510	08E22899S01	CP., 100pF		R039	06E22041S01	100 ohm
	C512	08E22085S01	CP., 0.022µF		R040	06E23575S01	330K ohm
	C513	08E23557S01	CP., 390pF		R041	06E22058S01	12K ohm
	C801	08E22085S01	CP., 0.022µF	1	R042	06E20903S01	10K ohm
	!			i			
	E802	23E08383S08	ELY., 10μF / 16V		R043	06E22066S01	220K ohm
	E803	23E08383S08	ELY., 10μF / 16V		R044	06E22051S01	2.2K ohm
	E805	23E09402S02	ELY., 10μF / 16V		R045	06E22062S01	47K ohm
	E806	23E08383S18	ELY., 0.1µF / 50V		R046	06E22062S01	47K ohm
	E807	23E08383S15	ELY., 1μF / 50V		R051	06E20903S01	10K ohm
				1			
	E808	23E08383S08	ELY., 10μF / 16V	1	R201	06E22062S01	47K ohm
					R202	06E22062S01	47K ohm
					R203	06E22891S01	33K ohm 1/8W
					R204	06E22061S01	33K ohm
			(All resistors are chip 1/10W±5%		R205	06E22921S01	47K ohm 1/8W
	Resis	tors	unless otherwise noted.)				
		06E22051S01	2.2K ohm		R206	06E22062S01	47K ohm
		06E20850S01	39K ohm		R207	06E22062S01	47K ohm
	R004	06E22055S01	4.7K ohm		R208	06E22055S01	4.7K ohm
	R007	06E20904S01	27K ohm		R211	06E22054S01	3.9K ohm
	R008	06E22060S01	22K ohm	0	R212	06E22054S01	3.9K ohm
	1	1	j .				
	R009	06E22064S01	68K ohm	0	R213	06E22057S01	8.2K ohm
	R010	06E27611S01	75K ohm	0	R214	06E22057S01	8.2K ohm
	R011	06E22951S01	3K ohm	0	R215	06E20851S01	43K ohm
0	R012	06E22048S01	1K ohm		R218	06E20903S01	10K ohm
Δ	R012	06E22050S01	1.8K ohm		R219	06E20903S01	10K ohm
	1						
0	R013	06E22048S01	1K ohm	0	R220	06E22507S01	15K ohm
Δ	R013	06E22050S01	1.8K ohm	Δ	R220	06E20904S01	27K ohm
0	R014	06E22058S01	12K ohm	0	R221	06E22507S01	15K ohm
Δ	R014	06E22053S01	3.3K ohm		R221	06E20904S01	27K ohm
0	R015	06E22058S01	12K ohm	0	R222	06E22060S01	22K ohm
Δ	R015	06E22053S01	3.3K ohm	0	R223	06E22060S01	22K ohm
	R016	06E22048S01	1K ohm		R224	06E22042S01	220 ohm
	R017	06E22048S01	1K ohm		R225	06E22042S01	220 ohm
	R018	06E22051S01	2.2K ohm		R226	06E24189S01	150 ohm
		I					
		1	• • • • • • • • • • • • • • • • • • • •			•	

 $\label{eq:note:common} \textbf{NOTE}:\bigcirc\textbf{:}\ \textbf{For}\ \textbf{TDM-7545R}\ \textbf{Model}\ \textbf{Only},\quad \triangle\textbf{:}\ \textbf{For}\ \textbf{TDM-7544R}\ \textbf{Model}\ \textbf{Only},\quad \textbf{Others}\ \textbf{:}\ \textbf{Common}.$

	/mbol	Part No.	Description	s	ymbol	Part No.	Description
	No.			<u> </u>	No.	00500010001	dV about
Δ	R227	06E24189S01	150 ohm	1	R538	06E22048S01	1K ohm
	R228	06E22060S01	22K ohm	1	R539	06E22048S01	1K ohm
	R229	06E22060S01	22K ohm		R540	06E22048S01	1K ohm
	R230	06E22041S01	100 ohm		R541	06E22048S01	1K ohm
	R231	06E22041S01	100 ohm		R542	06E22062S01	47K ohm
	Door	00500000001	7.5K ohm		R543	06E26014S01	10K ohm 1/8W
	R232	06E22926S01	· ·	1	R544	06E22065S01	100K ohm
	R232	06E22055S01	4.7K ohm		R545	06E22546S01	51K ohm
	R233	06E22926S01	7.5K ohm	0	l .		82K ohm
Δ	R233	06E22055S01	4.7K ohm		R545	06E23573S01	1K ohm
	R234	06E22926S01	7.5K ohm		R546	06E22048S01	I K Olim
	R234	06E22055S01	4.7K ohm	0	R548	06E20752S01	220 ohm 1/4W
	R235	06E22926S01	7.5K ohm	lo	R550	06E20903S01	10K ohm
_	R235	06E22055S01	4.7K ohm	0	R551	06E20903S01	10K ohm
	R236	06E22060S01	22K ohm		R554	06E22062S01	47K ohm
	1	i l	22K ohm		R555	06E22921S01	47K ohm 1/8W
	R237	06E22060S01	221\ U(III)		1,1000	000000000000000000000000000000000000000	THE OTHER POST
	R238	06E22060S01	22K ohm		R556	06E20752S01	220 ohm 1/4W
1	R239	06E22060S01	22K ohm		R557	06E22060S01	22K ohm
	R240	06E22051S01	2.2K ohm		R558	06E22036S01	22K ohm 1/8W
1	R241	06E22504S01	2.2K ohm 1/8W		R559	06E22060S01	22K ohm
ŀ	R242	06E22051S01	2.2K ohm		R801	06E26014S01	10K ohm 1/8W
1							
ı	R243	06E22504S01	2.2K ohm 1/8W		R802	06E22075S01	1.5K ohm 1/4W
l l	R244	06E22042S01	220 ohm		R803	06E22075S01	1.5K ohm 1/4W
1	R245	06E22033S01	4.7K ohm 1/8W		R804	06E22548S01	470 ohm 1/4W
	R509	06E22058S01	12K ohm		R805	06E23734S01	750 ohm 1/8W
1	R510	06E20903S01	10K ohm		R806	06E23859S01	390 ohm 1/4W
				. [
	R511	06E20903S01	10K ohm		R808	06E23596S01	8.2 ohm 1/4W
	R512	06E20903S01	10K ohm	-	R809	06E23596S01	8.2 ohm 1/4W
	R513	06E20903S01	10K ohm	.	R810	06E23596S01	8.2 ohm 1/4W
0	R514	06E22053S01	3.3K ohm		R811	06E20903S01	10K ohm
0	R515	06E22051S01	2.2K ohm		R812	06E20903S01	10K ohm
ı]				l		
0	R516	06E22041S01	100 ohm	1	R813	06E20903S01	10K ohm
0	R518	06E20903S01	10K ohm		R814	06E22076S01	2.2K ohm 1/4W
0	R519	06E22060S01	22K ohm	1	R815	06E20903S01	10K ohm
	R520	06E22060S01	22K ohm		R816	06E22075S01	1.5K ohm 1/4W
	R521	06E22060S01	22K ohm		R817	06E22033S01	4.7K ohm 1/8W
	DESS	06E220EEC04	4.7K ohm	1	Do+c	06533033504	4.7K ohm 1/9W
	R522	06E22055S01	4.7K ohm		R818	06E22033S01	4.7K ohm 1/8W
0	R523	06E22051S01	2.2K ohm		R819	06E22032S01	3.9K ohm 1/8W
	R524	06E22052S01	2.7K ohm		R820	06E22051S01	2.2K ohm
	R525	06E22656S01	6.8K ohm 1/8W		R821	06E20903S01	10K ohm
0	R526	06E22055S01	4.7K ohm		R822	06E22030S01	1K ohm 1/8W
	R527	06E22036S01	22K ohm 1/8W		R823	06E26014S01	10K ohm 1/8W
	R528	06E22062S01	47K ohm		R824	06E23596S01	8.2 ohm 1/4W
1	R529	06E22048S01	1K ohm		R825	06E22075S01	1.5K ohm 1/4W
1	R530	06E22048S01	1K ohm	0	VR201	18E20754S01	Variable, 10K ohm
	R533	06E22065S01	100K ohm	0	VR202	18E20754S01	Variable, 10K ohm
1	R534	06E22066S01	220K ohm		1		
]	R535	06E22921S01	47K ohm 1/8W		1		
	R536	06E22030S01	1K ohm 1/8W		1		
	R537	06E22062S01	47K ohm				ļ
	!			L			

 $\label{eq:NOTE:O:ForTDM-7544R Model Only, \triangle: For TDM-7544R Model Only, O thers: Common.}$

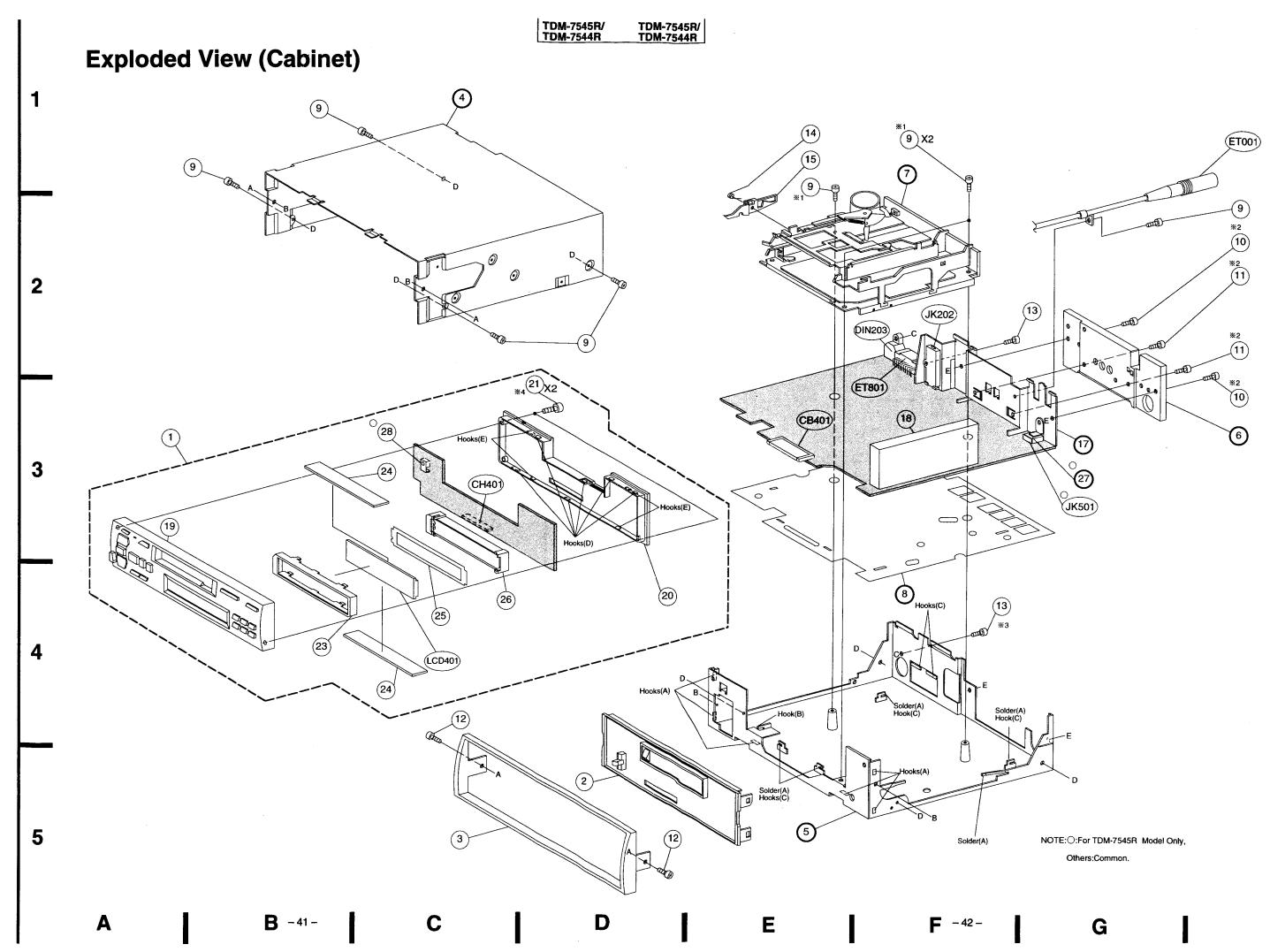
	/mbol	Part No.	Description	S	ymbol	Part No.	Description
	No.			<u> </u>	No.	40T75234W01	Tact, SKQNAC (EJECT)
		D.W.D. I			1		Tact, SKQNAC (UP/FF)
<u></u>	Front	P.W.Board				40T75234W01 40T75234W01	Tact, SKQNAC (SOURCE)
	101					40175234W01 40T75234W01	Tact, SKQNAC (SOUNCE) Tact, SKQNAC (BAND/PROG/TITLE)
L.,	IC's	(5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5	II OTFOROW	_	1	1	•
		51 T 55492W01	LC75850W	Δ	SW410	40T75234W01	Tact, SKQNAC (BAND/PROG)
0	IC402	51T95040W01	SBX8035F	1	0,444	40T75004W04	Total CICONAC (AF)
						40T75234W01	Tact, SKQNAC (AF) Tact, SKQNAC (T.INFO)
						40T75234W01 40T75234W01	Tact, SKQNAC (NEWS/1/NR B)
ш					P .	40175234W01	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `
	_			_			Tact, SKQNAC (NEWS/1) Tact, SKQNAC (PTY/2/P.S. DN)
<u> </u>	Trans		IOD DTO104EK		SVV414	40T75234W01	Tact, Skullac (F11/2/F.3. DN)
	Q401	48E10426S01	CP., DTC124EK	ı	CWA1E	40T7E224W01	Tast SKONAC (2/DS LIP)
				ı	i	40T75234W01	Tact, SKQNAC (3/P.S. UP)
			i i		1	40T75234W01	Tact, SKQNAC (F)
ш			<u> </u>	1		40T75234W01	Tact, SKQNAC (SCAN/6)
	D: 1	_		1	l .	40T75234W01	Tact, SKQNAC (RPT/5)
<u></u>	Diode		CP., DA204K		OW419	40T75234W01	Tact, SKQNAC (M.I.X./4/B. SKIP)
	D401	48E10946S01		1	İ	1	
		48E10946S01	CP., DA204K			1	
		48E10946S01	CP., DA204K	<u></u>	L	<u> </u>	L
	D404	48E10946S01	CP., DA204K		Conc	oitoro	
				—	Capa IC401	CITO'S 108E22085S01	CP., 0.022µF
					E401	23T25191W42	CP. ELY., 22μF / 6.3V
ш					C402	08E08423S06	CP., 680pF
		_			0402	08E08423308	Сг., өөөрг
	Lamp: PL401	S 65T85125W05	19V-100mA				
_		65T75231W01	9V-100mA				
		65T75233W01	CP., 6V-80mA	-		<u> </u>	(All resistors are chip 1/10W±5%
		65T75233W01	CP., 6V-80mA		Resis	tore	unless otherwise noted.)
	PL406	65T75233W01	CP., 6V-80mA		R401	06E21164S01	1.5K ohm
	1 2400	031732001101	St ., 54 SSMA		R402	06E22051S01	2.2K ohm
	PL407	65T75233W01	CP., 6V-80mA	1	R403	06E22053S01	3.3K ohm
	. 240,	001702001101	O, ., O, OSIIII (1	R404	06E22111S01	5.6K ohm
1					R405	06E20903S01	10K ohm
				1		-	
М				1	R406	06E21164S01	1.5K ohm
	LED's	•		1	R407	06E22051S01	2.2K ohm
			CP., SML-010LTT87 (RED)	1	R408	06E22053S01	3.3K ohm
		48T65477W03	CP., SML-010PTT87 (GRN)		R409	06E22111S01	5.6K ohm
		48T65477W03	CP., SML-010PTT87 (GRN)	1	R410	06E20903S01	10K ohm
	LD404	48T65477W03	CP., SML-010PTT87 (GRN)	1	1	l	1
	LD405	48T65477W02	CP., SML-010LTT87 (RED)		R411	06E21164S01	1.5K ohm
				1	R412	06E22051S01	2.2K ohm
				I	R413	06E22053S01	3.3K ohm
			ļ .	1	R414	06E22111S01	5.6K ohm
Г				1	R415	06E20903S01	10K ohm
	Switch	hes		1		I	
0		40T75234W01	Tact, SKQNAC	1	R416	06E22061S01	33K ohm
		1	(PWR/R.SENSOR/INTLZ)	1	R417	06E20903S01	10K ohm
Δ	SW401	40T75234W01	Tact, SKQNAC (PWR/INTLZ)		R418	06E20903S01	10K ohm
	SW402	40E23611S01	Tact, CP. EVQPJU04K (UP)		R419	06E20903S01	10K ohm
	SW403	40T75234W01	Tact, SKQNAC (REW/DN)		R420	06E20903S01	10K ohm
	SW404	40E23611S01	Tact, CP. EVQPJU04K (MODE/LOUD)		l .		
1				ŀ	R421	06E23574S01	180K ohm
	SW405	40E23611S01	Tact, CP. EVQPJU04K (DOWN)		R422	06E23574S01	180K ohm
	SW406	40T75234W01	Tact, SKQNAC	1	R423	06E22048S01	1K ohm
			(TUNE/A.ME/PLAY/PAUSE)	1	R424	06E22048S01	1K ohm
				•	1		
		<u> </u>				 	

, C	ymbol	Part No.	Description	Symbol	Part No.	Description
	No.	Fait No.	Description	No.	raitivo.	Description
	R425	06E22048S01	1K ohm	┨┠╌╩╌	1	
	R427	06E22048S01	1K ohm	Capa	citors	
	R428	06E22062S01	47K ohm	E3101	23S75372W02	ELY., 100µF / 10V
	R430	06E23859S01	390 ohm 1/4W	E3102	23S75372W04	ELY., 10μF / 16V
	R431	06E23858S01	15 ohm 1/4W	E3103	23S75372W02	ELY., 100μF / 10V
				E3104	23S75372W07	ELY., 47μF / 16V
\circ	R432	06E22048S01	1K ohm	C3105	08S72783F31	CP., 470pF
	R434	06E23264S01	24 ohm 1/4W			
	R435	06E22114S01	27 ohm 1/4W	E3105	23S75372W09	ELY., 4.7μF / 35V
	R436	06E22114S01	27 ohm 1/4W	C3106	08S72783F31	CP., 470pF
Į į	R437	06E22114S01	27 ohm 1/4W	E3106	23S75372W09	ELY., 4.7μF / 35V
	D 400	0050000000	2.01/ 4/4)4/	C3107	08S72783F31	CP., 470pF
	R438 R439	06E23860S01	3.9K ohm 1/4W	E3107	23S75372W15	ELY., 1µF / 50V
	R440	06E23859S01 06E22048S01	390 ohm 1/4W 1K ohm	C3108	00670702521	CP., 470pF
$ \circ $	R441	06E22048S01	390 ohm 1/4W	E3108	08S72783F31 23S75372W04	ELY., 10µF / 16V
	R442	06E23859S01	390 ohm 1/4W	C3109	08S53332F48	CP., 0.012µF
	11442	00023639301	350 Gilli 1/4VV	C3109	08S53332F48	CP., 0.012µF
\cap	R443	06E27623S01	4.3K ohm 1/8W	C3110	08S65128F35	CP., 0.012µF
	R443	06E22032S01	3.9K ohm 1/8W	11		.,,
	R444	06E27624S01	6.2K ohm 1/8W	C3112	08S35374W01	CP., 0.1µF
	R444	06E27736S01	7.5K ohm 1/8W	C3113	08S82122F59	CP., 820pF
_	R447	06E23859S01	390 ohm 1/4W	E3501	23S75372W18	ELY., 100μF / 25V
				C3502	08S65128F76	CP., 0.1µF
	R448	06E23859S01	390 ohm 1/4W	C3503	08S65128F76	CP., 0.1µF
	R449	06E22048S01	1K ohm			
	R451	06E23860S01	3.9K ohm 1/4W]
			1			
l					<u> </u>	(All resistors are chip 1/10W±5%
1				Resis	stors	unless otherwise noted.)
				R3101	06S53330F32	130 ohm 1/8W
			<u></u>	R3102	06S64996F15	360K ohm
				R3103	06S64995F81	15K ohm
	GR C	ontrol P.W.B	pard	R3104	06S53330F81	15K ohm 1/8W
				R3105	06S53330F32	130 ohm 1/8W
Щ	IC's	51T64606F02	ITA 77055	Boson	00004005504	4514
		51T75010W01	TA7705F	R3106	06S64995F81	15K ohm
1 1		51T75628W01	BA3703F	R3107 R3108	06S64995F81	15K ohm
H	103301	31173028W01	BA6285FP	R3109	06S64996F15 06S53330F29	360K ohm 100 ohm 1/8W
				R3110	06S53330F29	3.3K ohm 1/8W
				no i i u	0000000F00	3.3K GIIII 1/6VV
╟			1	R3111	06S53330F65	3.3K ohm 1/8W
	Trans	istors		R3112	06S53330F85	22K ohm 1/8W
		48T84366F05	2SB1243	R3113	06S53330F85	22K ohm 1/8W
	_	48T62967F06	CP., DTC114YK	R3116	06S64995F85	22K ohm
		48T62967F06	CP., DTC114YK	R3117	06S64996F01	91K ohm
		48T83835F03	2SD1859	H	1	1
				R3118	06S64995F95	56K ohm
				R3119	06S64995F35	180 ohm
				R3507	06S70072F41	330 ohm 1/4W
· · · ·				R3508	06S70072F41	330 ohm 1/4W
	Diode	s		R3509	06S64995F77	10K ohm
	D3101	48T81063F01	CP., MA159	11		
	D3501	48T81063F01	CP., MA159	R3510	06S70072F60	2K ohm 1/4W
ll	D3502	48T81063F01	CP., MA159	R3511	06\$70072F60	2K ohm 1/4W
	ZD3501	48T83128F11	Zener, HZS7A2L	R3512	06S53331F01	91K ohm 1/8W
				R3513	06S53331F01	91K ohm 1/8W
ıl			l .	11		,

NOTE : ○: For TDM-7545R Model Only, △: For TDM-7544R Model Only, Others : Common.

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R3514 R3515		1K ohm 1/4W M.F., 4.7 ohm 1/2W			
Misc	ellaneous	·			
	09T85299W16	16P Connector	11		
CH401	09T85298W16	16P Connector			
DIN203	09T55493W02	DIN Connector 8P			
ET001	09E25398S01	Assy., Antenna Receptacle			
ET801	09E23591S01	Speaker Output &	11		
		Power Supply Connector			
	1 88T95125W02	Assy., Head	H		
JK202		Rear Output RCA Connector			
○ JK501	09E27608S01 1 65T95241W03	Remote Control Interface Connector LCD Display	H	1	
	1 65T85130W04	LCD. Display	H		
23 20240		LOD. Display		i	
M3501	1	Assy., Main Motor (13.2V-95mA)			
	01V91700W81	Assy., Sub Motor (7V-370mA)			
	51T63433F03	Sensor, Photo ON2170-R2		1	
	2 51T63433F03	Sensor, Photo ON2170-R2			
500350	1140T15222W01	Switch, Detector (PACK IN)			
SW350	240T15382W02	Switch, Detector SPPB32 (PAUSE)			
: •	340T15382W02	Switch, Detector SPPB32 (MODE)			
SW350	440T15382W02	Switch, Detector SPPB32 (METAL)			
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NOTE : ○: For TDM-7545R Model Only, △: For TDM-7544R Model Only, Others : Common.



Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied. Symbol Index Symbol Index Part No. Description Part No. Description No. Assy., Nose Unit 3-A 01E27447S01 3-A 01E27444S01 Assy., Nose Unit 5-D 13E27728S01 Assy., Front Escutcheon 5-C 33E27729S01 Assy., Face Plate Screw, MCH-TPT (M2.6X6) 03E09416S05 03E22117S01 Screw, MCH-TPT (M2.6X8) 10 2-G 03E22118S01 Screw, MCH-TPT (M2.6X14) 11 12 03E22133S01 Screw, MCH-TPT (M2.6X6) Screw, TPG-TPT (M2.6X8) 13 03E27618S01 14 1-E 41E27727S01 Spring, Lever Door 15 1-E 45E27738S01 Lever, Door 18 3-F 77E27449S01 FM/MW/LW Tuner Unit, MB4R6050 (FE001) 19 3-A 13E27551S01 Assy., Nosepiece 0 19 3-A 13E27550S01 Assy., Nosepiece 20 4-D 13E26908S01 Nose, Bottom 21 3-D 03E22134S01 Screw, TPG (M1.7X10) 23 4-B 15E25405S01 Cover, LCD 24 75E27730S01 Rubber, Electric 25 4-C 26E27731S01 Reflector, Sheet 26 4-C 01E25404S01 Assy., Case LCD 3-C 07E27732S01 0 28 Bracket, Remote

 $NOTE:\bigcirc: For\ TDM-7545R\ Model\ Only,\quad \triangle: For\ TDM-7544R\ Model\ Only,\quad Others:\ Common.$

Disassembly Instructions

1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P91666W52/53).

2. Removal of Front Escutcheon

(1) After removal of Face Plate and Top Cover, remove six Hooks (A). Hooks (A) (4-D, 5-F)

3. Removal of Cassette Deck

(1)	After removal of Front Escutcheon, remove three screws No.9.	Screws No. 9 (※1) (1-E, 1-F)
(2)	Remove a Hook (B).	Hook (B) (4-E)

(3) Disconnect the connector from Main P.W. Board.

4. Removal of Main P.W. Board

(1)	After removal of Cassette Deck, remove four screws No. 10, 11,	Screws No. 10, 11 (※2) (2-G, 3-G)
	and remove the Heat Sink.	

(2)	Remove a screw No. 13.		Screw No. 13 (※3) (4-F)
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(3) Remove five points of Solder (A) and six Hooks (C). Solder (A) (4-F, 5-E, 5-F) Hooks (C) (4-F, 5-E, 5-F)

(4) Main P.W. Board with Bracket IC can be removed completely.

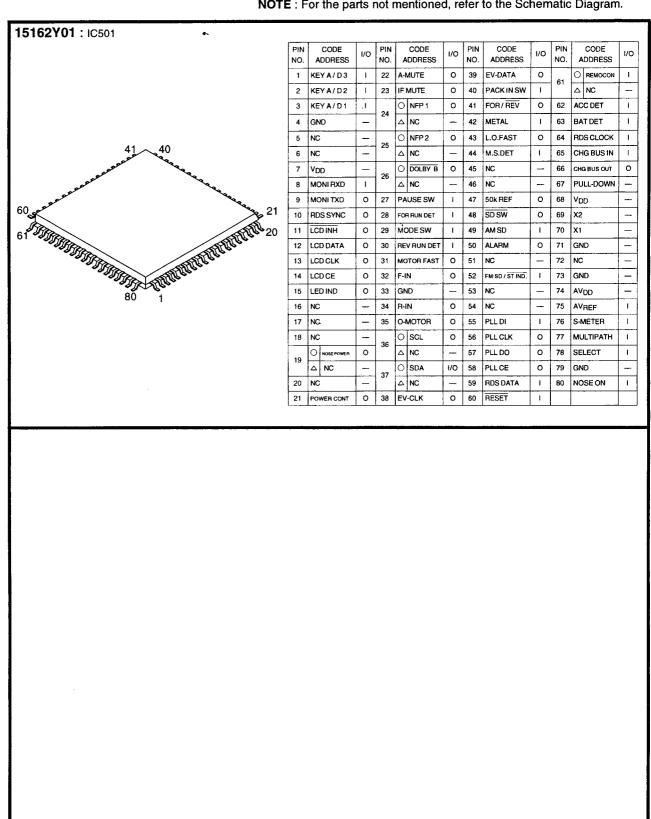
5. Removal of Front P.W. Board

(1)	After removal of Nose Unit, remove two screws No. 21	Screws No. 21 (※4) (3-D)
(2)	Remove six Hooks (D), and remove the Nosepiece.	Hooks (D) (3-D)
(3)	Remove four Hooks (E).	Hooks (E) (3-C, 3-D)

NOTE: For the screws No., Hook and Solder, refer to the Exploded View (Cabinet).

Semi - Conductor Lead Identifications

NOTE: For the parts not mentioned, refer to the Schematic Diagram.



NOTE: O: For TDM-7545R Model Only,

△: For TDM-7544R Model Only,

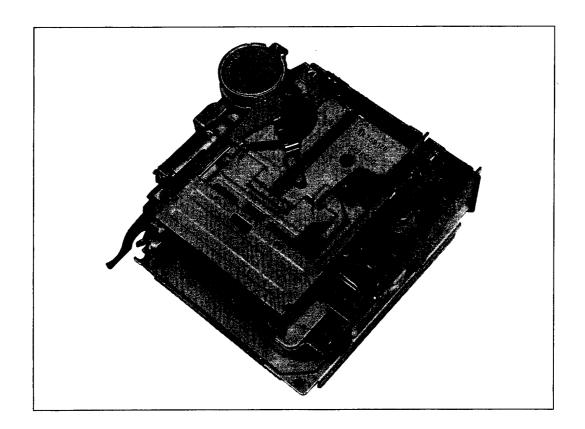
Others: Common.

MEMO

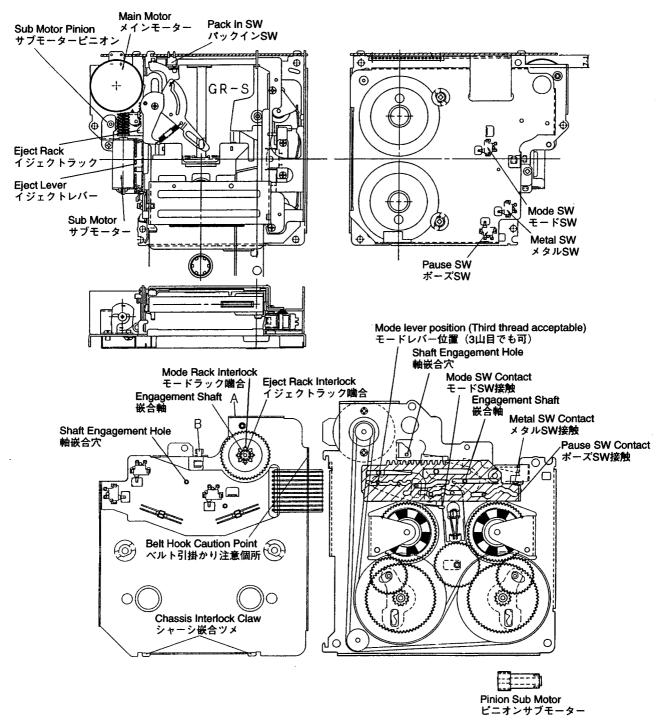




Cassette Deck Mechanism



Basic Operation of GR-S Mechanism GR-Sメカ基本動作



Mode rack engagement should be made so that normal engagement is obtained when an end of section A touches the chassis closely with the pinion sub motor inserted in place and rotated after temporary installation of the bottom cover. In this case, the sub motor wires should be positioned in the normal guide of the section B (should not be jammed). The metal lever should be installed by moving the switch contact section to inside of the mechanism as in GR-H.

モードラックの噛合せはボトムカバー仮装着後PINION SUB MOTORを正規位置に挿入して回転させる。 A部端面がシャーシと密着出来たとき正常な噛合い状態になったことを意味する。 又このときサブモータワイヤがB部の正規ガイド位置にあること。(挟み込みさせないこと。) メタルレバーはGR-Hと同様にSW接触部をメカ内部に移動させて組み込むこと。

A. Loading

- 1. Insert a cassette pack.
- 2. PACK IN SW goes ON→OFF.
- SUB motor rotates and the power is transferred to SUB MOTOR PINION, EJECT rack, and EJECT lever, and moves to the direction shown by the arrow.
- 4. After completion of the cassette pack loading, motion start of the mode lever is detected by checking ON→ OFF of the PAUSE SW, and rotation of the SUB MOTOR stops once, and then the SUB MOTOR rotates in reverse direction until the PAUSE SW is ON again. After the stop of the SUB MOTOR, the main motor rotates.
- When the main motor rotates, both reels rotate in the winding direction and eliminate slack of the tape at the PAUSE position. (Loading completion)

A. ローディング

- 1. カセットパックを挿入する。
- 2. PACK IN SWがON→OFFになる。
- 3. SUBモーターが回転してSUB MOTOR PINION、 EJECTラック、EJECTレバーと動力が伝達し、矢印 方向へ移動する。
- 4. カセットパック装着完了後、モードレバーが動き始めたことを、PAUSE SWがON→OFFすることで、 検知しSUB MOTORの回転を一旦停止させ、再度 PAUSE SWがONするまで逆回転させる、SUB MO-TOR停止後メインモーターを回転させる。
- 5. メインモーターの回転により、両リールを巻き取り 方向に回転させ、テープのタルミをPAUSE位置でな くする。(ローディング完了)

B. Play

- Rotation of the main motor stops and the SUB MO-TOR rotates, thereby moving the mode lever to the PLAY position.
- Motion of the mode lever to the PLAY position is detected by checking ON/OFF number of the mode SW and rotating direction of the sub motor.
- After detection of the mode lever moved to the PLAY position, the SUB MOTOR rotation stops and the main motor rotates, thus entering the PLAY operation.

B. プレイ

- 1. メインモーターの回転を停止させ、SUB MOTORを回転させて、モードレバーをPLAY位置に移動させる。
- 2. モードレバーのプレイ位置への移動はモードSWの ON/OFF回数とサブモーターの回転方向で検知する。
- 3. モードレバーがPLAY位置に移動したことを検知した ら、SUB MOTORの回転を停止し、メインモーター を回転させてPLAY動作に入る。

C. PROG

- With the PROG KEY SW ON, the SUB MOTOR rotates, and the mode lever moves to next PLAY position (NORMAL→REVERSE PLAY or REVERSE→NORMAL PLAY).
- When the mode switch detects the next PLAY position, the SUB MOTOR rotation stops, and operation shifts to the PLAY.

C. PROG

- PROG KEY SW ONにより、SUB MOTORを回転させ、モードレバーを次のPLAY位置(NORMAL→RE-VERSE PLAY又は、REVERSE→NORMAL PLAY) に移動させる。
- 2. モードSWが次のPLAY位置を検知したらSUB MO-TORの回転を停止し、PLAYに移行する。

D. FF/REW (QUE/REVIEW)

- With KEY ON, rotation of the main motor stops and the SUB MOTOR rotates to bring the mode lever to the specified position.
- When the specified position is detected by counting ON/OFF number of the mode SW, the SUB MOTOR rotation stops, and the main motor rotates to perform tape fast winding operation.

(According to the stop position of the mode lever, all of head position retreat, playback engagement releasing, pinch roller retreat, and FF gear engagement are kept.)

D. FF/REW (QUE/REVIEW)

- 1. KEY ONによりメインモーターの回転を停止し、 SUB MOTORを回転させモードレバーを所定の位置 に移動させる。
- 2. モードSWのON/OFF回数をカウントし、所定の位置 を検知したらSUB MOTORの回転を停止し、メイン モーターを回転させ、TAPE早送り動作を行う。 (モードレバーの停止位置により、ヘッド位置後 退、プレイ噛み合い切り離し、ピンチローラー後 退、早送り歯車の噛み合いは、全て維持される。)

E. EJECT

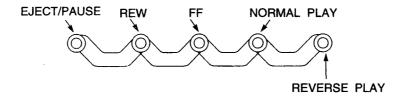
- With KEY ON, main motor rotation stops and SUB MOTOR rotates, thereby moving the mode lever to the EJECT/PAUSE position.
- When the PAUSE SW turns on with the mode lever moved, the SUB MOTOR rotation stops, the main motor rotates to perform take up operations for both the reels.
- When beginning of the reel slip is detected with tape slack eliminated, the main motor rotation stops and the sub motor rotates to move the EJECT lever in the eject direction.
- When the PACK IN SW goes from OFF to ON, the SUB MOTOR rotation stops and the EJECT operation completes.

E. EJECT

- 1. KEY ONにより、メインモーターの回転を停止すると 共に、SUB MOTORを回転させ、モードレバーを EJECT/PAUSE位置に移動させる。
- 2. モードレバーの移動は、PAUSE SWがONした所で SUB MOTORの回転を停止しメインモーターを回転 させ両リールの巻き取り動作を行う。
- 3. テープタルミが無くなり、リールスリップが始まったことを、検知したらメインモーターの回転を停止し、SUB MOTORを回転させてEJECTレバーを排出方向に移動させる。
- 4. PACK IN SWがOFF→ONに切り換わったらSUB MOTORの回転を停止させEJECT完了となる。

Mode lever position

モードレバー位置



Mechanism operations are determined by positions of the mode lever shown above. メカの動作は上記モードレバーの位置で決まる。

Operations of MODE SW and PAUSE SW

MODE SW、 PAUSE SWの動作

REV. PLAY

Mechanism opera メカ動作の移行	tion shift	MODE SW	PAUSE SW
Loading	→Play	4	2
	FF		
	REW		
Play	→FF	3	0
	REW	2	0
	PROG	1	0
	EJECT	4	1 (OFF→ON)
FF	→Play	3	0
	REW	1	0
	PROG		
	EJECT	1	1 (OFF→ON)
REW	→Play	2	0
	FF	1	0
	PROG		
	EJECT	2	1 (OFF→ON)

ON→OFF number of above switches 上記SWのON→OFF回数

FOR. PLAY

Mechanism oper メカ動作の移行	ation shift	MODE SW	PAUSE SW
Loading	→Play	3	2
	FF		
	REW		
Play	→FF	1	0
	REW	2	0
	PROG	1	0
	EJECT	3	1 (OFF→ON)
FF	→Play	1	0
	REW	1	0
	PROG		
	EJECT	2	1 (OFF→ON)
REW	→Play	2	0
	FF	1	0
	PROG		
	EJECT	1	1 (OFF→ON)

ON→OFF number of above switches 上記SWのON→OFF回数

Mechanism basic operation timing chart

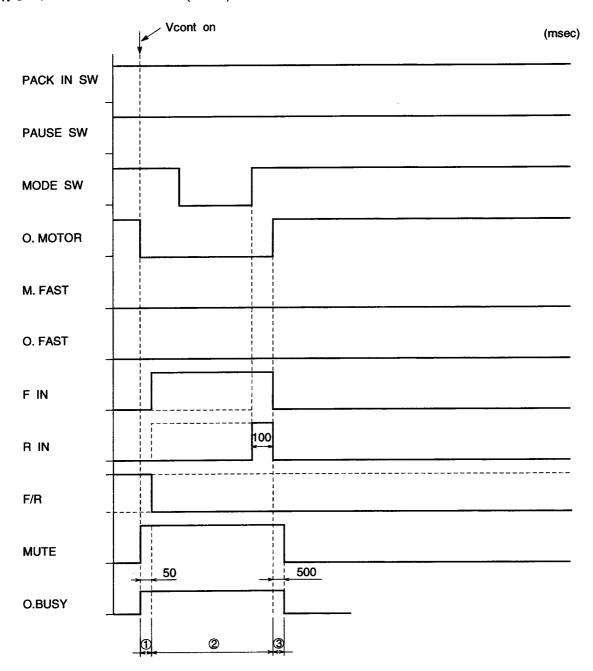
メカニズム基本動作タイミングチャート

Shift MODE

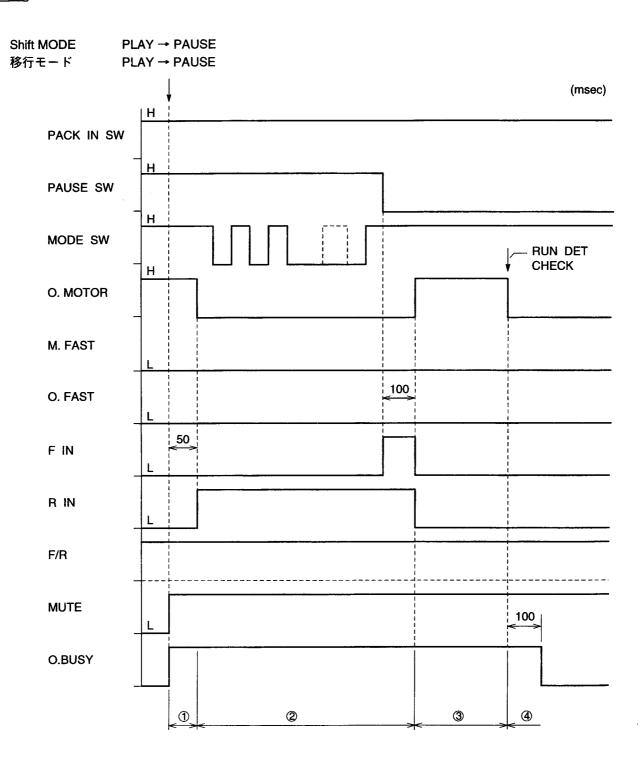
PLAY → PLAY (PROG)

移行モード

PLAY → PLAY (PROG)



- ① Tape wind stop: Main motor stops.
- ② Mode lever shift: SUB MOTOR rotates, mode lever moves to a specified position and stops.
- Mode determination: Muting until operation reaches a stable status.
- ① TAPE巻取り停止:MAIN MOTORを停止させる。
- ② MODE LEVER移動:SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。
- ③ MODE確定:動作安定までMUTE。



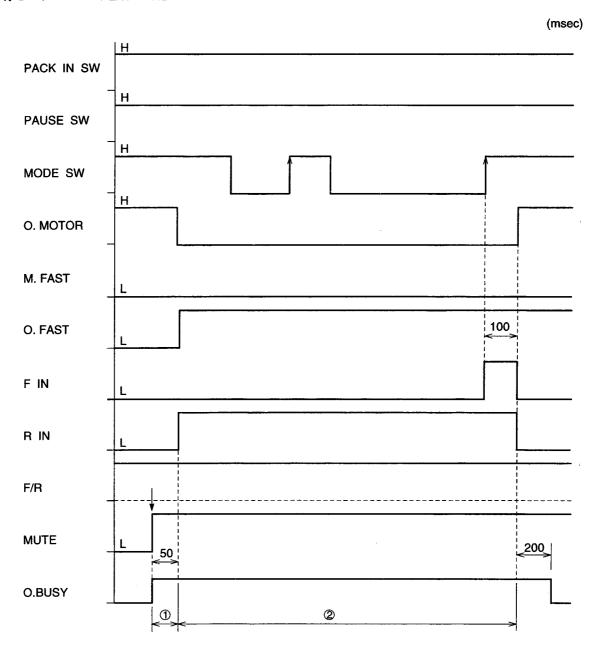
- ① Tape wind stop: Main motor stops.
- ② Mode lever shift: Sub motor rotates, mode lever moves to a specified position and stops.
- ③ Removal of tape slack: Both reel rotate in winding direction and eliminate tape slack.
- Reel stop: Main motor stops when run det pulse reaches a specified value.
- ① TAPE巻取り停止: MAIN MOTOR停止
- ② MODE LEVER移動: SUB MOTORを回し、MODE LEVERを目的の位置まで移動させ停止させる。
- ③ TAPE弛み取り:両リールを巻取方向へ回転させ、TAPEの弛みを無くす。
- ④ リール停止:RUNDET PULSが設定値に達したらMAIN MOTORを停止させる。

Shift MODE

PLAY → REW

移行モード

PLAY → REW



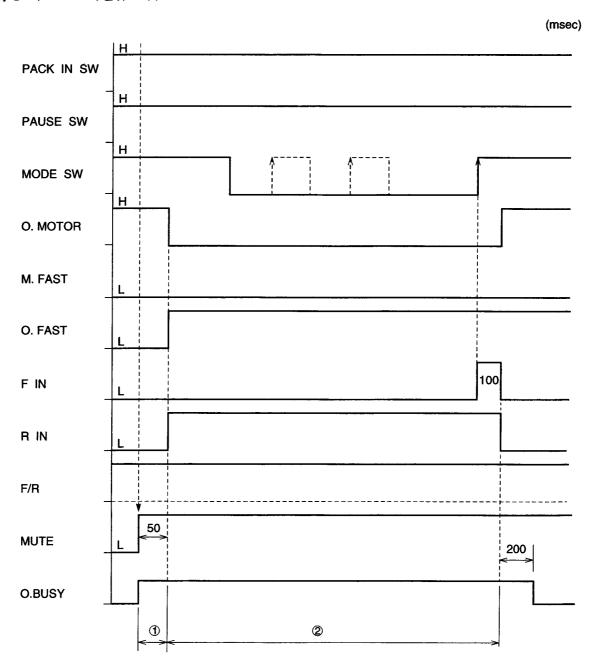
- ① Tape wind stop: Main motor stops.
- ② Mode lever shift: Sub motor rotates and mode lever moves to a specified position and stops.
- ① TAPE巻取り停止:MAIN MOTOR停止
- ② MODE LEVER移動:SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。

Shift MODE

PLAY → FF

移行モード

PLAY → FF



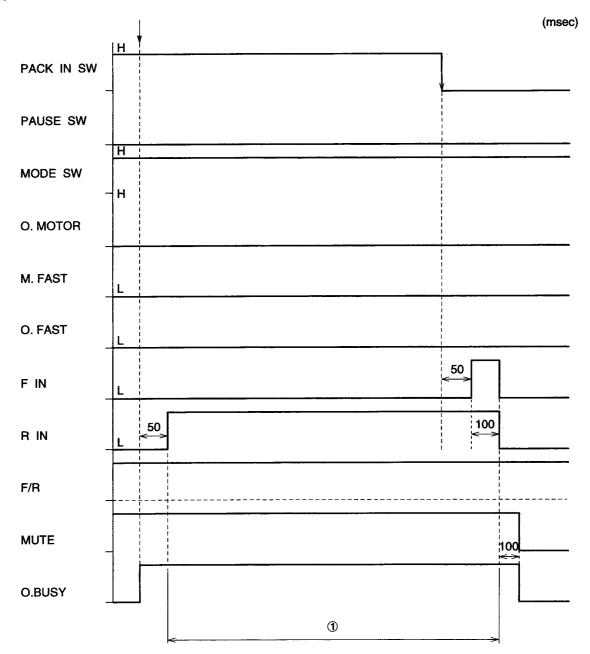
- ① Tape wind stop: Main motor stops.
- ② Mode lever shift: Sub motor rotates and mode lever moves to a specified position and stops.
- ① TAPE巻取り停止: MAIN MOTOR停止
- ② MODE LEVER移動:SUB MOTORを回しMODE LEVERを目的の位置まで移動させ停止させる。

Shift MODE

PAUSE → EJECT

移行モード

PAUSE → EJECT



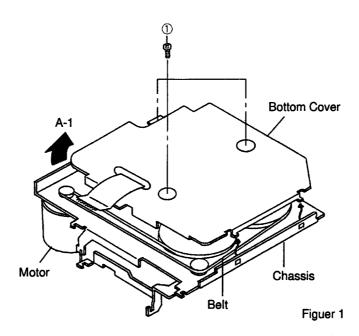
- Cassette pack eject: Rotates sub motor and lifts up the cassette holder.
 Rotates the sub motor further to move slider forward and ejects the pack.
- ① カセットパック排出:SUB MOTORを回しCASSETTE HOLDERをリフトさせる。 さらにSUB MOTORを回しスライダーを手前に移動させPACKを排出させる。

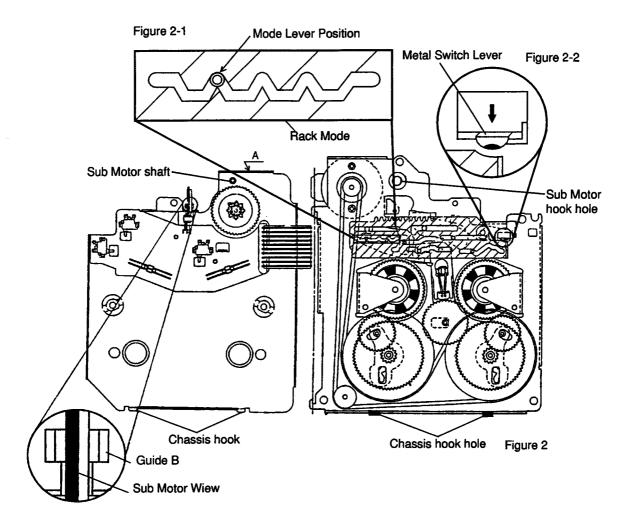
Disassembly, Assembly and Replacement of Functional Parts 機能部品の分解・組立及び交換方法

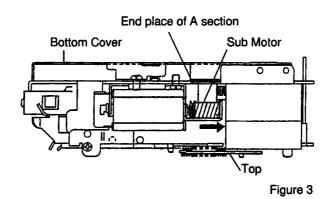
- 1. Disassembly and Assembly of Bottom Cover
 - (1) Turn the mechanism around as shown in Figure 1.
 - (2) Remove three screws ① as shown in Figure 1.
 - (3) Lift the bottom cover slowly from the position A-1, pull the hooks out of the holes in the chassis, and remove the bottom cover as shown in Figure 1.
 - (4) Set the mechanism to pack down status and place the mode lever to the position shown in Figure 2-1.
 - (5) Press the metal switch lever in direction shown by the arrow (refer to Figure 2-2), insert the pinion sub motor shaft to the pinion sub motor hook hole, and insert the chassis engagement claws into the chassis engagement holes. (Check to see the sub motor wire is placed in the normal guide position of B section.)
 - (6) Rotate the pinion sub motor counterclockwise after insertion of the bottom cover, and check to see the end place of A section in Figure 2 is closely touched. (refer to Figure 3)
 - (7) Fix the screws that have been removed.
 - NOTE: ① When fixing the bottom cover, be careful to avoid damage by the belt.
 - ② Fasten the three screws with a fastening torque of 6 kg.cm.

1. ボトムカバーの分解方法及び組立方法

- (1) メカを裏返しにします。(図1参照)
- (2) 3本のネジ①を外します。(図1参照)
- (3) A-1部からボトムカバーをゆっくりと浮かし、切り起こしの嵌合部を外し、分解します。(図1参照)
- (4) 組立時は、メカをパックDOWN状態にして、モードレバーの位置を図2-1の位置に合わせます。
- (5) メタルSWレパーを矢印方向(図2-2参照)に押し、SUBMOTOR嵌合軸をSUBMOTOR軸嵌合穴に挿入し、シャーシー嵌合ツメをシャーシー嵌合穴に挿入します。←ボトムカバー仮装着完了。 (この時、サブモーターワイヤーがB部正規ガイド位置にあること)
- (6) ボトムカバー仮装着後SUB M OTORを左回りに回し、図2A部端面がシャーシと密着したことを確認します。 (図3参照)
- (7) 分解時に外したネジを止めます。
 - [注意] ① 組立時、ベルトに傷を付けない様に注意して下さい。
 - ② 3本のネジは6kgcmのトルクで締め付けて下さい。



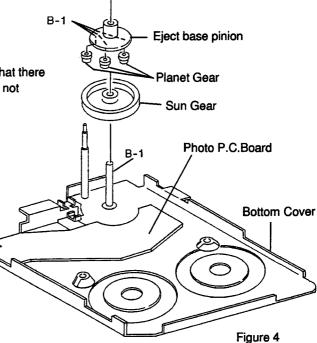




- 2. Replacement of the bottom cover mounting parts
- 2. ボトムカバーの取付部品の交換方法
- a. Replacement of the inner gear/planet gear/sun gear
- (1) Remove M1.2 lock washer ② as shown in Figure 4.
- (2) Pull the eject pinion out of the inner gear and remove the inner gear, eject base pinion and sun gear as shown in Figure 4.
- (3) Turn the eject base pinion, remove the three planet gear as shown in Figure 4.
- (4) Apply the grease (PG-671) to the section B-1, and mount the inner gear/planet gear/sun gear following the removal steps in the reverse order. After replacement is smoothly. (Refer to Figure 6.)
 - NOTE: 1 Do not reuse the used lock washer for remounting.
 - 2 Take care to avoid damage by piercing and tearing.
 - ③ Do not forget insertion of planet gears. Check number of the gears also.
- a. インナーギア/プラネットギア/サンギアの交換方法
- (1) ロックワッシャー②(M1.2)を外します。(図4参照)
- (2) イジェクトピニオンをインナーギアより引き抜き、インナーギア/イジェクトベースピニオン/サンギアの順に外します。(図4参照)

B-1

- (3) イジェクトベースピニオンを裏返しにしてプラネットギア (3個) を外します。(図4参照)
- (4) B-1部分にグリス(PG-671)を塗布し、取り外しの逆の手順で組み立てて下さい。尚交換後、ギアの回転がスムーズであるか確認して下さい。(図6参照)
 - [注意] ① 一度使用したロックワッシャーは組立時には使用しないで下さい。
 - ② 口開き、めくれのない様に注意して下さい。
 - ③ プラネットギアの挿入忘れ、不足のないこと。
- Replacement of the photo sensor
- (1) Remove eight solders 21 as shown in Figure 5.
- (2) Remove the photo sensor from the photo P.C.Board as shown in Figure 5.
- (3) Solder the legs so that the photo sensor is set as indicated by [__] in Figure 5.
 - NOTE: ① When using the soldering iron, set the temperature of the soldering iron to 270° ±20° and the soldering time to less than 3 seconds.
 - ② Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.
- b. フォトセンサーの交換方法
- (1)8ケ所の半田21を外し、フォトセンサーをフォト 基板より外します。(図5参照)
- (2) 良品のフォトセンサーを図中の[__]と同じ方向になる様に半田付けします。(図5参照)
 - [注意] ① 半田ゴテを使用する際、 半田ゴテ先温度270° ±20℃、 半田付け時間3秒以下とする。
 - ② ルーズ半田、ショート等のない こと。又、皮膜破れに注意すること。

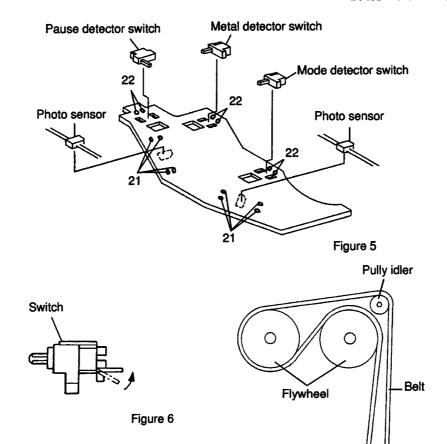


Eject pinion

Inner Gear

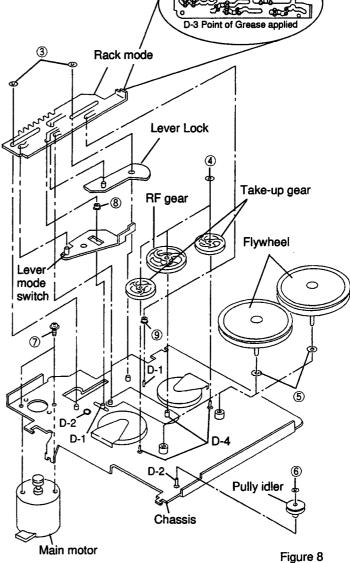
- c. Replacement of the detector switch (Pause/Metal/Mode)
- (1) Remove six solders 22 with which the switch is fixed as shown in Figure 5.
- (2) Prepare the terminals of the switch of the new one as shown in Figure 6.
- (3) After that, insert the switch into the photo P.C.Board, and solder the terminals.
 - NOTE: ① When using the soldering iron, refer to item 2-b to make sure that the temperature of the soldering iron and the soldering time are proper.
 - ② Take care that the switch guide is properly fixed and straight.
- c. 検出スイッチ (ポーズ・メタル・モード) の交換方法
- (1) スイッチを止めている6ケ所の半田22をそれぞれ 外します。(図5参照)
- (2) 良品のスイッチの端子を水平に直します。(図6参照)
- (3) フォト基板に差し込み、端子を半田付けします。 [注意] ① 項目2-bと同様に半田ゴテのコテ先温度、 半田付け時間に注意すること。
 - ② スイッチの浮き及び傾きがない様にすること。

- 3. Replacement of the mounting parts on the rear of the main chassis
- 3. メインシャーシー裏側取付部品の交換方法
- a. Replacement of the belt
- After removing the bottom cover, remove the belt.
- (2) Clean the new belt with absolute alcohol, and fix it as shown in Figure 7.
 - NOTE: ① When fixing the belt, make sure that is not twisted or dirty.
 - ② When removing the belt, do not turn up the front of chassis.
- a. ベルトの交換方法
- (1) ボトムカバーを外した後、ベルトを取り外します。
- (2) 良品のベルトを無水アルコールでクリーニング してから掛けます。(7図参照)
 - [注意] ① 取り付け時、ねじれ及び汚れがない 様にすること。
 - ② ベルトを取り外した時、シャーシー を表側にしないこと。



Motor pully

- b. Replacement of the main motor
- (1) After removing the belt, remove solder @-1, and remove the wire flat (2P) from the control P.C.Board as shown in Figure 10.
- (2) Remove two screws ①, and remove the main motor as shown in Figure 8.
- (3) Mount the new motor following the removal steps in the reverse order.
 - NOTE: ① When using the soldering iron, set the temperature of the soldering iron to 320° ±20℃ and the soldering time to less than 3 seconds.
 - 2 Since the wire flat is very easily damaged, handle it with care.
 - 3 Fasten the two screws with a fastening torque of 2kg.cm.
- b. メインモーターの交換方法
- (1) ベルトを外した後、半田印-1を外し、ワイヤーフラット(2P) をコントロール基板より外します。(図10参照)
- (2) 2本のネジ⑦を外し、メインモーターを外します。(図8参照)
- (3) 良品のメインモーターを取り外し方法の逆の手順で組み立てます。
 - [注意] ① 半田ゴテを使用する際、半田ゴテ先温度320° ±30℃、半田付け時間3秒以下とする。
 - ② ワイヤーフラットは損傷し易いので取扱いには十分注意すること。
 - ③ 2本のネジは2kgcmのトルクで締め付けること。
- c. Replacement of the flywheel
- After removing the belt, pull out the two flywheels. Take care not to loose the polyslider washer (5) located between the flywheel and the chassis. (Refer to Figure 8)
- (2) Fix the polyslider washer to the new flywheel and mount the flywheel to chassis.
- c. フライホイールの交換方法
- (1) ベルトを外した後、2個のフライホイールを 引き抜きます。この時フライホイールと シャーシーの間にそれぞれ1個のポリ スライダーワッシャー⑤がありますので 紛失しない様に注意して下さい。(図8参照)
- (2) 良品のフライホイールにポリスライダー ワッシャーを取り付け、シャーシに取り付け セオ
- d. Replacement of the rack mode
- (1) Remove M1.7 lock washer ③, and remove the rack mode as shown in Figure 8.
- (2) Apply the molykote G paste to the section D-3, and mount the rack mode following the removal steps in the reverse order. (Refer to Figure 8)
 - NOTE: ① Check to see the rack mode can move left to right in its full stroke.
 - ② Do not reuse the used lock washer for remounting.
 - 3 Take care to avoid damage by piercing and tearing.
- d. ラックモードの交換方法
- (1) 2個のロックワッシャー③(M1.7)を外し、 シャーシーより引き抜き、ラックモードを 外します。(図8参照)
- (2) 良品のラックモードのD-3部分にモリコート Gペーストを塗布し、取り外しの逆の手順で 取り付けます。
 - [注意] ① ラックモードは左右に全スト ローク動作することを確認する。
 - ② 一度使用したロックワッシャーは 組立時には使用しないで下さい。
 - ③ ロックワッシャー取り付け時、 口開き、めくれのない様に注意 すること。



- e. Replacement of the lever lock/lever mode switch/roller mode
- (1) After removing the rack mode, remove the lever lock and lever mode switch. (Refer to Figure 8)
- (2) Pull it up from the stud and remove the two roller mode (8), (9) as shown in Figure 8.
- (3) Apply the molykote G paste to the section D-1, the grease (PG-671) to the section D-2 and mount the roller mode/lever mode switch/lever lock following the removal steps in the reverse order. NOTE: ① Check to see the roller mode is inserted without fail.
- e. レバーロック/レバーモードスイッチ/ ローラーモードの交換方法
- (1) ラックモードを外した後、レバーロック、 レバーモードスイッチの順に引き抜きます。 (図8参照)
- (2) 2個のローラ-モード⑧、⑨をスタットより 引き抜きます。(図8参照)
- (3) D-1部分にモリコートGペースト、D-2部分 にグリス (PG-671) を塗布し、取り外し方 の逆の手順で取り付けます。

[注意] ① ローラーモードの挿入忘れがないこと。

- f. Replacement of gears
- f-1 Replacement of the RF gear
- (1) Remove M1.2 lock washer (4), pull it up from the stud and remove the gear as shown in Figure 8.
- (2) Mount it, following the removal steps in the reverse order.

f-1 RFギアの交換方法

- (1) ロックワッシャー④ (M1.2) を外し、スタット より引き抜きギアを外します。(図8参照)
- (2) 取り外し方の逆の手順で取り付けます。
- f-2 Replacement of the take-up gear
- (1) Remove M1.2 lock washer (4), pull it up from the stud and remove the gear as shown in Figure 8.
- (2) Mount it, following the removal steps in the reverse order.

NOTES on f-1 and f-2:

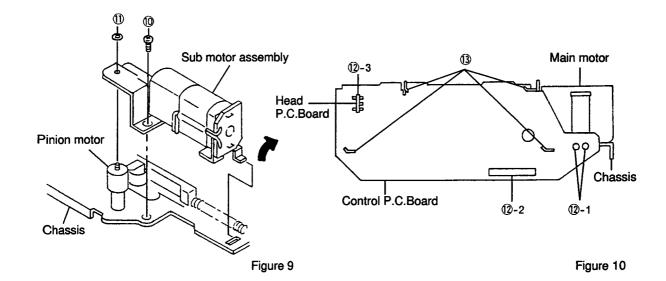
- ① Do not reuse the used lock washer for remounting.
- ② Take care to avoid damage by piercing and tearing.

f-2 テイクアップギアの交換方法

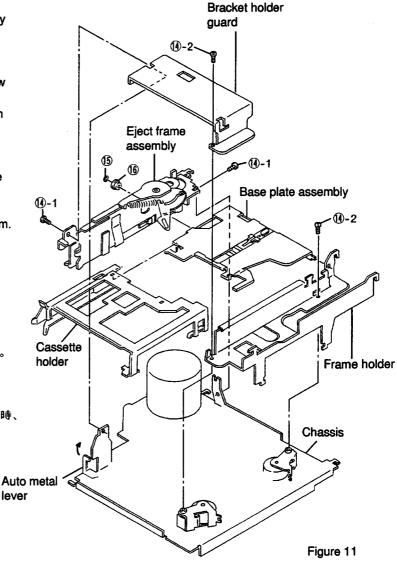
- (1) 2個のロックワッシャー④ (M1.2) を外し、 スタットより引き抜きギアを外します。(図8参照)
- (2) 取り外し方の逆の手順で取り付けます。

[f1, f2の注意]

- ① 一度使用したロックワッシャーは 組立時には使用しないで下さい。
- ② ロックワッシャー取り付け時、口開き、 めくれのない様に注意すること。

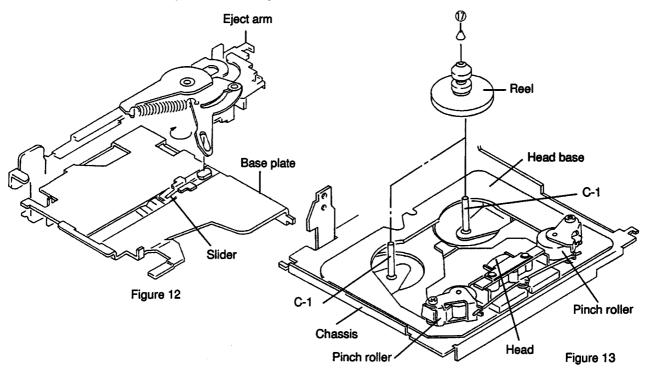


- 4. Replacement of the parts mounted on the front of the main chassis
- 4. メインシャーシ表側部品の交換方法
- a. Replacement of the control P.C.Board
- (1) Remove four solders ② and remove the head P.C.Board and the two wire flat as shown in Figure 10.
- (2) Remove four claws ③ and remove the P.C.Board as shown in Figure 10.
- (3) After replacing the old P.C.Board with a new one, mount it following the removal steps in the reverse order.
 - NOTE: ① Since the wire flat is very easily damaged, handle it with care.
 - ② When using the soldering iron, set the temperature of the soldering iron to 320° ±30° and the soldering time to less than 3 seconds, but solder point ℚ-3 to less than 1 second.
 - 3 Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.
- a. コントロール基板の交換方法
- (1) 4ケ所の半田⑫を外し、ヘッド基板と2本のワイヤーフラット (2P)、(10P) をそれぞれ外します。(図10参照)
- (2) 4ケ所のツメ⑬を外し、コントロール基板を外します。(図10参照)
- (3) 良品のコントロール基板と交換後、取り外し方の逆の手順で基板を取り付けます。
 - [注意] ①ワイヤーフラットは損傷し易いので取扱いには十分注意すること。
 - ② 半田ゴテを使用する際、半田ゴテ先温度320° ±30℃、半田付け時間3秒以下とする。 但し、②-3は1秒以下とする。
 - ③ルーズ半田、ショート等のないこと。
- b. Replacement of the sub motor assembly
- (1) Remove M1.2 lock washer ① and one screw ② as shown in Figure 9.
- (2) Remove the sub motor assembly by pulling it up in the direction of the arrow as shown in Figure 9.
- (3) Mount it, following the removal steps in the reverse order.
 - NOTE: ① Do not reuse the used lock washer for remounting.
 - ② Take care to avoid damage by piercing and tearing.
 - 3 Fasten the one screw with a fastening torque of 6kg.cm.
- b. サブモーター組立の交換方法
- (1) ロックワッシャー(I) (M1.2) と1本の ネジ(D)を外します。(図9参照)
- (2) 図中の矢印の方向へ持ち上げながら サブモーター組立を外します。(図9参照)
- (3) 取り外し方の逆の手順で取り付けます。
 - [注意] ① 一度使用したロック ワッシャーは組立時には 使用しないで下さい。
 - ② ロックワッシャー取り付け時、 口開き、めくれのない様に 注意すること。
 - ③ ネジは6kgcmのトルクで 締め付けること。



- c. Disassembly and assembly of the cassette holder
- (1) Remove four screws (1) and remove the eject frame assembly and the frame holder as shown in Figure 11.
- (2) Remove M1.2 lock washer (3) and plate base roller (6) and remove the cassette holder and the base plate assembly as shown in Figure 11.
- (3) Remount them following the removal steps in the reverse order.
 - NOTE: ① When mounting the cassette holder and the base plate, insert the slider shaft into the eject arm and fix them turning the slider shaft in the direction indicated by the arrow in the figure. Make sure that the cassette holder and the base plate are in the cassette-in mode during this operation.

 (Refer to Figure 12)
 - ② When mounting the eject frame assembly, push the auto metal lever in the direction indicated by the arrow in the Figure 11.
 - ③ When mounting the base plate assembly and the eject frame assembly, or when mounting the eject frame assembly to the chassis, do not apply excessive force to avoid deformations of the eject arm and the frame.
 - 4 Do not reuse the used washers. Take care to avoid damage by piercing and tearing.
 - ⑤ Fasten the two screws ๋ ①-1 with a fastening torque of 6kg.cm. and the two screws ๋ ①-2 with a fastening torque of 1.5kg.cm.
- c. カセットホルダーの分解方法及び組立方法
- (1) 4本のネジ⑪を外し、イジェクトフレーム組立及びフレームホルダーを外します。(図11参照)
- (2) ロックワッシャー⑮(M1.2)とプレートベースローラー⑯を外し、カセットホルダーとベースプレート組立を外します。(図11参照)
- (3) 分解方法と逆の手順で取り付けます。
 - [注意] ① カセットホルダーとベースプレート組立を組み立てる際、スライダーのシャフトをイジェクト アームに挿入し、図の様に矢印方向に回しながら取り付けます。この時カセットホルダーとベース プレートはカセットインの状態で行うこと。(図12参照)
 - ② イジェクトフレーム組立をシャーシーに取り付ける際、オートメタルレバーを図の様に矢印方向に押して下さい。(図11参照)
 - ③ ベースプレート組立とイジェクトフレーム組立を取り付ける際、又、シャーシーとイジェクトフレーム組立を取り付ける際は、必要以上の力を加えないで下さい。(イジェクトアーム、フレームの変形防止の為)
 - ④ 一度使用したワッシャーは、使用しないこと。又、口開き、めくれのないこと。
 - ⑤ ネジ⑪-1は6kgcm、⑭-2は1.5kgcmのトルクで締め付けること。



f. Replacement of the head

- (1) After removing the pinch roller spring, remove two screws @ as shown in Figure 15.
- (2) Remove solder 23 and remove the head from the head P.C.Board as shown in Figure 16.
- (3) After replacement, mount the new head following the removal steps in the reverse order.
- NOTE: ① When using the soldering iron, set the temperature of the soldering iron to270° ±20℃ and the soldering time to less than 1 second.
 - ② Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damage.
 - 3 Do not bring the soldering iron near the head P.C.Board. Make sure that the head P.C.Board is not lifted.
 - 4 Fasten the two screws with a fastening torque 1kg.cm. Note that the tension of the head spring can be descreased if the screws are fastened too strongly.
- (4) Adjust the height of the head as shown in Figure 17, 18 and 19.
 - (4) -1 Place the height adjustment gauge(Al-500) on the head base, and adjust the height so that the check bar fits in the tape head guide smoothly.
 - (4) -2 When the check bar touches the top (or bottom) of the tape guide, insert a spacer (t0.1mm or polyslider washer t0.13mm). If necessary, remove the spacer.
- NOTE: ① If you do not have a height gauge like described in (4)-1, run the tape at normal speed and adjust the height of the head and the tape head guide so that the tape does not curl.
- (5) After having assembled the complete mechanism, adjust the angle of the head with test tape MTT-114NB. (Refer to chapter "Adjustment of the head angle".) After the adjustment, apply the screw lock and fix the screws.

f. ヘッドの交換方法

- (1) ピンチローラースプリングを外した後、2本のネジ⑳を外します。(図15参照)
- (2) 半田23を外し、ヘッド基板からヘッドを取り外します。(図16参照)
- (3) 良品のヘッドと交換後、取り外し方の逆の手順で取り付けます。
- [注意] ① 半田ゴテを使用する際、半田ゴテ先温度270° ±20℃、半田付け時間1秒以下とする。
 - ② ルーズ半田、ショート等のないこと。
 - ③ ヘッド基板には、コテ先を当てないこと。又、ヘッド基板に浮きがない様注意すること。
 - ④ 2本のネジは1kgcmのトルクで締め付けること。但し、ネジを締め過ぎるとヘッドパネがヘタり、パネ 性がなくなるので注意すること。
- (4) ヘッド高さ調整を行います。(図17、18、19参照)
 - (4) -1 高さゲージ(AI-500)をヘッドベースにのせ、チェック・バーがテープヘッドガイドにスムーズに 入る高さに合わせます。
 - (4) -2 テープガイドの上(又は下)にチェック・バーが当たる時は、スペーサー(t0.1mm又はポリスライダー ワッシャーt0.13mm)を一枚入れます。又は、スペーサーを外すことによって当りをなくす様にします。
 - [注意]① (4) -1の様に高さゲージがない場合は、テープを通常走行させ、テープカーリングが生じなくなる様に 高さ(ヘッド及びテープヘッドガイド)を調整します。

Figure 18

Fixing screw

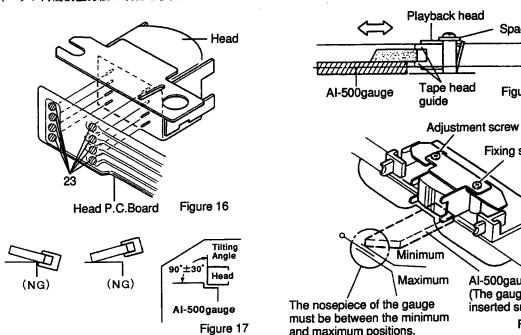
Al-500gauge

(The gauge must be

Figure 19

inserted smoothly)

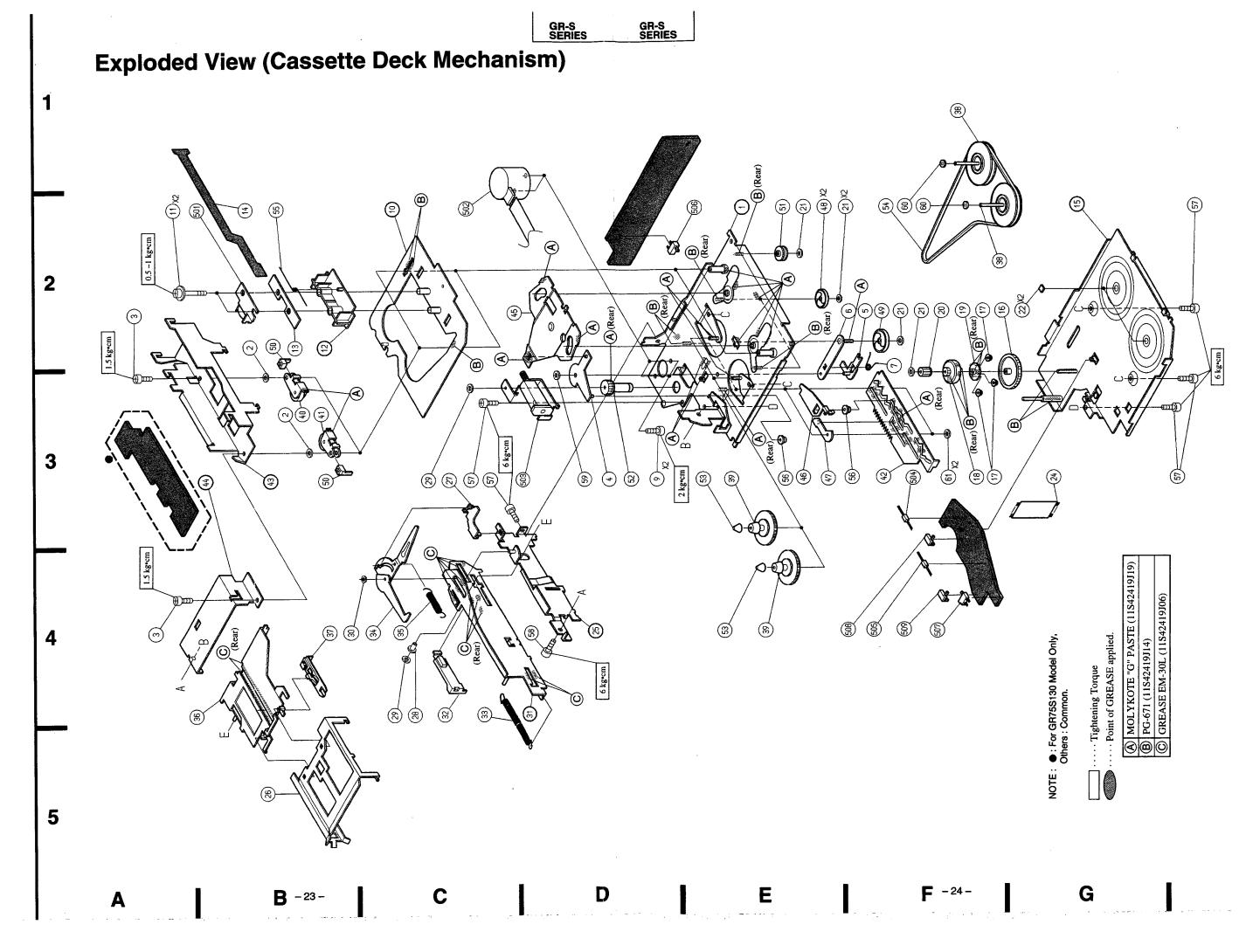
(5) 最終的な1台のメカと言う状態に組み上げた後、テストテープ(MTT-114NB)でヘッドの角度を調整します。 (ヘッド角度調整方法の項目を参照して下さい。)調整後、ネジロックを塗布し、ネジを固定します。



MEMO

-22-

and maximum positions.



Cassette Deck Mechanism Assembly Parts List

Symbol	Index	Part No.	Description			Index		n parts list are not supplied. Description
No.	1	1	2000puo	11 '	lo.			
2	 	04B41345P32	Washer, Lock (M3.1)	11	55	2-B	41A10387W01	Spring, Pinch Roller
3	1	03S43997P63	Screw, Pan (M1.7 ×4)	11	56	1	43A71774W01	Roller, Mode
4	3-D	01A71716W01	Assy., Riv. Select Swing		57		03S44205G30	Screw, Pan (M2.6 ×4)
5	2-F	01A71714W01	Assy., Riv. RF Lever A		58	4-D	03A80629W01	Screw, Special (M2.6 ×6)
6	2-E	01A71715W01	Assy., Riv. RF Lever B	Ш	59	3-D	04B41345P02	Washer, Lock (M1.7)
	1			Ш		l	İ	
7	2-F	41A71781W01	Spring, RF	11	60	2-F	04S40075G05	Washer, Polyslider (M2.1)
9	3-D	03C42723U12	Screw, Cup (M2 ×2.5)	П.	or	2-F	04T55449W01	Washer, Teflon
11		03A80452W01	Screw, F Locks (M2 ×10.7)	11	61	3-F	04B41345P13	Washer, Lock (M1.7)
13	2-B	41A31756W01	Spring, Head	П		İ	l	1
O 14	2-B	84T45462W01	Head P.C.Board	Ш				
	l		l	Ш				
• 14	1	84T25151W01	Head P.C.Board	Ш		İ		
16	2-G	44A71747W01	Gear, Sun	11—	ł	<u> </u>	<u>. </u>	
17		44A71748W01	Gear, Planet			11		
18		44A71749W01	Gear, Inner	11			neous	Hood
19	2	44A71751W01	Pinion, Eject Base		501		88T75612W01	Head
1	1,-	444747501104	Dinion Finct		502		01V74500W16	Assy., Main Motor (13.2V-55mA Assy., Main Motor (6V-90mA)
20	2-+	44A71752W01 04B41345P11	Pinion, Eject	11 °	502 503		01V84200W63 01V74500W23	Assy., Main Motor (6V-90mA) Assy., Sub Motor (7V-370mA)
21	1		Washer, Lock (M1.2)		504		51T63433F03	Sensor, Photo ON2170-R2
22		43A41656W01 30T65174W07	Spacer, UHMW-PE Wire, Flat 10P	11	304	3-5	01100400700	Senson, Flioto ONZ170-72
24	1	1	1	Ш	505	4-F	51T63433F03	Sensor, Photo ON2170-R2
26	3-B	07B71778W01	Holder, Cassette	Ш	506		40T15222W01	Switch, Detector (PACK IN)
27	٦	45 A 71 70C\NO1	Lever, Pack In Switch	Ш	507	ı	40T15382W02	Switch, Detector (PAUSE)
1 -	1	45A71736W01	Roller, Plate Base	П	508	ŀ	40T15382W02	Switch, Detector (MODE)
28	15-0	43A71775W01 04B41345P01	Washer, Lock (M1.2)	11	509	ı	40T15382W02	Switch, Detector (METAL)
29 30	1.0	04B41345P15	Washer, Lock (M1.2)	H	303	"'	401100024102	GWILLIA, DOLOGIO (METAL)
32	i i	44A71753W01	Rack, GR-S	11		1		
"	١٠٠	4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	riadi, dire	Ш		l		
33	5-C	41A80634W01	Spring, Rack	П	١.	1		
34	4-C	01A71720W01	Assy., Riv. Eject Arm A	Н		1		
35	4-C	41B63283F11	Spring	П	1	l		1
36	4-A	01A71712W01	Assy., Riv. Plate Base		1			1
37	3-B	45B71750W01	Slider	11				
		04 4 74 700 140 1	Shookaal	11				
38		01A71783W01	Flywheel		l			
39	1	01A71784W01	Reel					
40	1	01B81372W01	Assy., Pinch Roller	11		l		1
41		01B81372W02 44B71726W01	Assy., Pinch Roller Rack, Mode	11				1
42	3	770/1/20001	HEAR, MICHE	[]				
45	2-C	45B71729W01	Lever, Select	11				
46	3-E	45A71737W01	Lever, Mode Switch					1
47	3-E	45A71733W01	Lever, Lock	11				1
48	2-E	44A71741W01	Gear, Take Up					
49	2-F	44A71742W01	Gear, RF					
		40 47174014/04	Guide Back					
50	1	43A71743W01	Guide, Pack					
51		49A71744W01	Pulley, Idler			l		
52	13-0	44A71746W01	Pinion, Motor			1		İ
53	1,-	49A71003W01	Reel, Cap	11				
54	2-5	42A71780W01	Belt					
	4							

NOTE: O: For GR75S120 Model Only, •: For GR75S130 Model Only, Others: Common.

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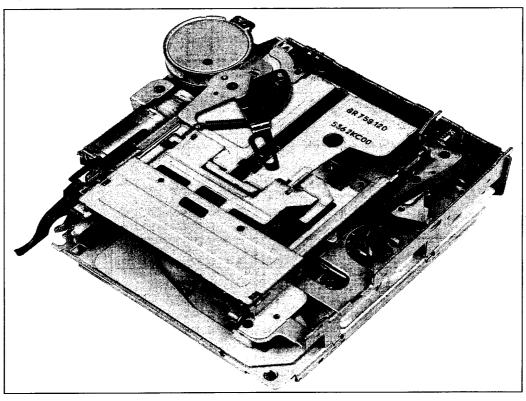
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Cassette Deck Mechanism

ADDENDUM & REVISED

- This manual is described on GR75S310 only. The GR75S310 is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E23241S01).
- 当マニュアルはGR75S310についてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E23241S01) を参照願います。



Cassette Deck Mechanism Assembly Parts List (Only Difference) 2 Exploded View (Cassette Deck Mechanism) 3 to 4

Basic Operation of GR-S Mechanism

Disassembly, Assembly and Replacement of Function Parts

Refer to the Service Manual • GR-S SERIES (Part No. 68E23241S01).

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

NOTE: The parts is not mentioned, refer to the Service Manual • DR-S SERIES (Part No.68E23241S01).

Symbol	Index	Part No.	Description	Symbol	index	Part N
No.			'	No.		
4	3-D	01A90342W01	Assy., Riv. Select Swing	45	2-C	45B90320V
5	2-F	01A90340W01	Assy., Riv. RF Lever A	46	3-E	45A71737V
6	2-F	01A90341W01	Assy., Riv. RF Lever B	47	3-E	45A71733V
11	2-A	03A80452W02	Screw, F Locks (M2X10.7)	53		49A81855V
13	2-B	41A31756W02	Spring, Head	54	2-F	42A71780V
26	5-B	07B40012W02	Holder, Cassette	55	2-B	41A10387V
27	3-C	45A71736W02	Lever, Pack In Switch	62	3-B	45A90322V
34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)			
36	4-A	01A90338W01	Assy., Riv. Plate Base			
38		01A90350W01	Assy., Flywheel			
40	3-B	01B30863W01	Assy., Pinch Roller	Mis	cella	aneous
41	3-B	01B30863W02	Assy., Pinch Roller	501		88T95215W
42	3-F	44B90318W01	Rack, Mode	503	3-C	01V91700V
42	3-F	44B90318W01	Rack, Mode	503	3-C	01 V 91

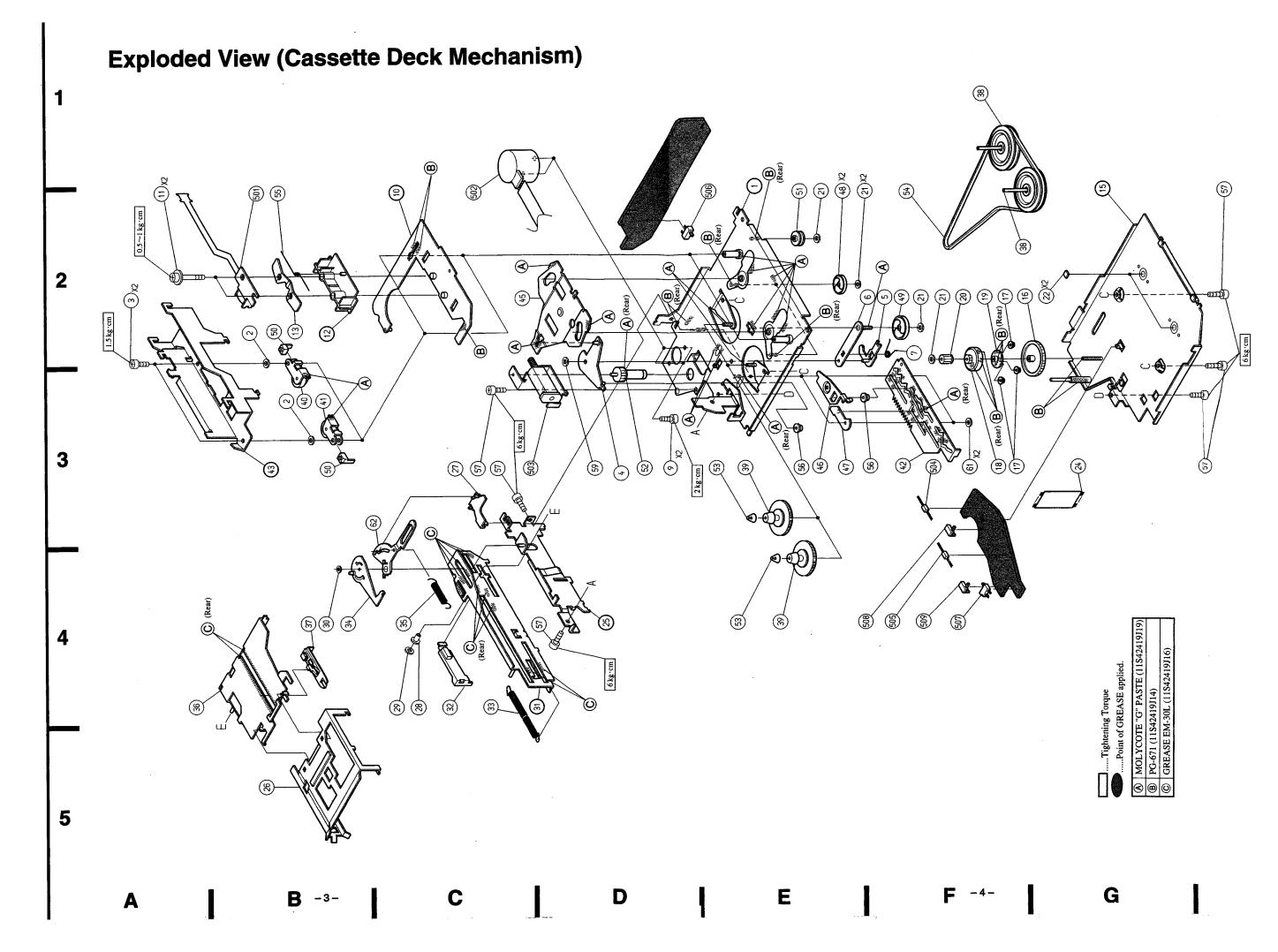
Symbol	index	Part No.	Description
No.			·
45	2-C	45B90320W01	Lever, Select
46	3-E	45A71737W02	Lever, Mode Switch
47	3-E	45A71733W02	Lever, Lock
53		49A81855W01	Reel, Cap
54	2-F	42A71780W02	Belt
55 62		41A10387W02 45A90322W01	Spring, Pinch Roller Lever, Eject Arm A
Mis		aneous	
501	2-B	88T95215W02	Head
503	3-C	01V91700W81	Assy., Sub Motor (7V-370mA)

カセットデッキメカニズム関係部品表

※ 記載されていない部品については、サービスマニュアル・ GR-S SERIES (68E23241S01) を参照願います。

	索			標準
記号	31	部品番号	部品名	卸価格
4	3-D	01A90342W01	Assy., Riv. Select Swing	
5	2-F	01A90340W01	Assy., Riv. RF Lever A	— I
6	2-F	01A90341W01	Assy., Riv. RF Lever B	I
11	2-A	03A80452W02	Screw, F Locks (M2X10.7)	45
13	2-B	41A31756W02	Spring, Head	60
26	5-B	07B40012W02	Holder, Cassette	260
27	3-C	45A71736W02	Lever, Pack In Switch	<u> </u>
34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)	I
36	4-A	01A90338W01	Assy., Riv. Plate Base	<u> </u>
38		01A90350W01	Assy., Flywheel	
40	3-B	01B30863W01	Assy., Pinch Roller	240
41	3-B	01B30863W02	Assy., Pinch Roller	240
42	3-F	44B90318W01	Rack, Mode	[]

•	索	į		標準
記号	31	部品番号	部品名	卸価格
45	2-C	45B90320W01	Lever, Select	_
46	3-E	45A71737W02	Lever, Mode Switch	
47	3-E	45A71733W02	Lever, Lock	—
53		49A81855W01	Reel, Cap	45
54	2-F	42A71780W02	Belt	_
55	2-B	41A10387W02	Spring, Pinch Roller	_
62	3-B	45A90322W01	Lever, Eject Arm A	_
			٠	
			· · · · · · · · · · · · · · · · · · ·	
		の電気部品		
501	2·B	88T95215W02	Head	1,210
503	3-C	01V91700W81	Assy., Sub Motor	1,440
			(7V-370mA)	



MEMO

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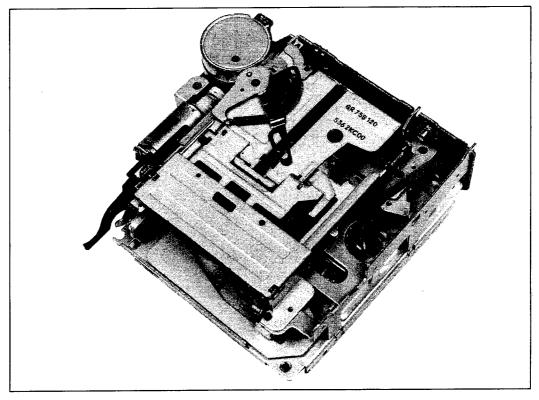
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Cassette Deck Mechanism

ADDENDUM & REVISED (II)

- This manual is described on GR75S410/42Y only. The GR75S410/42Y is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E23241S01).
- 当マニュアルはGR75S410/42Yについてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E23241S01) を参照願います。



Contents	
Cassette Deck Mechanism Assembly Parts List	3 to 4
Exploded View (Cassette Deck Mechanism)	5 to 6
Basic Operation of GR-S Mechanism Disassembly, Assembly and Replacement of Function Parts	Refer to the Service Manual - GR-S SERIES (Part No. 68E23241S01).

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

									parts list are not supplied.
Syr	mbol	Index	Part No.	Description			index	Part No.	Description
N	lo.					lo.			
	2		04B41345P32	Washer, Lock (M3.1)		57		03S44205G30	Screw, Pan (M2.6X4)
	3		03S43997P63	Screw, Pan (M1.7X4)	•	58	1	03A80629W01	Screw, Special (M2.6X6)
ı	4	3-D	01A90342W02	Assy., Riv. Select Swing	I	59	3-D	04B41345P02	Washer, Lock (M1.7)
	5	2-F	01A71714W01	Assy., Riv. RF Lever A	•	60	2-F	04S40075G05	Washer, Polyslider (M2.1)
	6	2-E	01A90341W02	Assy., Riv. RF Lever B	•	or	2-F	04T55449W01	Washer, Polyslider (M2.1)
ı		,				l			
ı	7	2-F	41A71781W01	Spring, RF		61	3-F	04B41345P23	Washer, Lock (M1.7)
İ	9	3-D	03C42723U12	Screw, Cup (M2X2.5)	1	62	3-B	45A90322W02	Lever, Eject Arm A
	11	2-A	03A80452W02	Screw, F Locks (M2X10.7)	l				
ļ	13	2-B	41A31756W01	Spring, Head					
l	16	2-F	44A71747W01	Gear, Sun					
	17		44A71748W01	Gear, Planet		Mis	cella	ineous	
Ī	18	3-F	44A71749W01	Gear, Inner	0	122.		88T95215W02	Head
	19		44A71751W01	Pinion, Eject Base		501		88T75612W03	Head
	1	1		Pinion, Eject		502	1	01V94900W74	Assy., Main Motor (13.2V-95mA)
1	20 21	2-5	44A71752W01 04B41345P11	1 ' '	0	502	i 1	01V74500W16	Assy., Main Motor (13.2V-95mA)
1		1	U4041343F11	Washer, Lock (M1.2)	ı •	503		01V74500W16	Assy., Sub Motor (7V-370mA)
	22	20	43A41656W01	Spacer, UHMW-PE	1	333		0.41-0004450	Tricoy., Cub Motor (74-070IIIA)
	22 24		30T65174W07	Wire, Flat 10P	1	504	3-F	51T63433F03	Sensor, Photo ON2170-R2
	26		07B71778W01	Holder, Cassette		505		51T63433F03	Sensor, Photo ON2170-R2
	27		45A71736W03	Lever. Pack In Switch	l	506		40T15222W01	Switch, Detector (PACK IN)
	28		43A71775W01	Roller, Plate Base	I	507	i 1	40T15382W02	Switch, Detector (PAUSE)
	20	4-0	434717734101	Honer, Flate Dase		508		40T15382W02	Switch, Detector (MODE)
1	29	ء ا	04B41345P01	Washer, Lock (M1.2)		000		1000021102	Cuncil, Deletion (MODE)
	30		04B41345P15	Washer, Lock (M1.2)		509	4-F	40T15382W02	Switch, Detector (METAL)
ľ	32		44A71753W01	Rack, GR-S	l	505	7,	401100024402	Switch, Botostor (ME1712)
1	33		41A80634W01	Spring, Rack					
	34		01A90346W02	Assy., Riv. Eject Arm (B)					
			O TABOO TO VIOL	/ Losy., 1 2 cox 7 (2)					
	35	4-C	41B63283F11	Spring					
	36	ŀ	01A71712W01	Assy., Riv. Plate Base					
	37		45B71750W01	Slider	1				
0	38		01A90350W01	Assy., Flywheel					
	38		01A71783W10	Assy., Flywheel					
	39		01A71784W01	Reel					
	40		01B30863W01	Assy., Pinch Roller					
	41	3-B	01B30863W02	Assy., Pinch Roller	1				
	42		44B71726W01	Rack, Mode					
	45	2-C	45B90320W02	Lever, Select					
	46	3-E	45A71737W03	Lever, Mode Switch					
	47		45A71733W03	Lever, Lock					
	48		44A71741W01	Gear, Take Up					
	49		44A71742W01	Gear, RF					
	50	- '	43A71743W01	Guide, Pack					[
	51	2-E	49A71744W01	Pulley, Idler					
	52		44A71746W01	Pinion, Motor					
	53		49A81855W01	Reel, Cap					
	54		42A71780W02	Belt			.		
	55	1	41A10387W02	Spring, Pinch Roller					
			,						
	56	3-E	43A71774W01	Roller, Mode					
	<u> </u>								

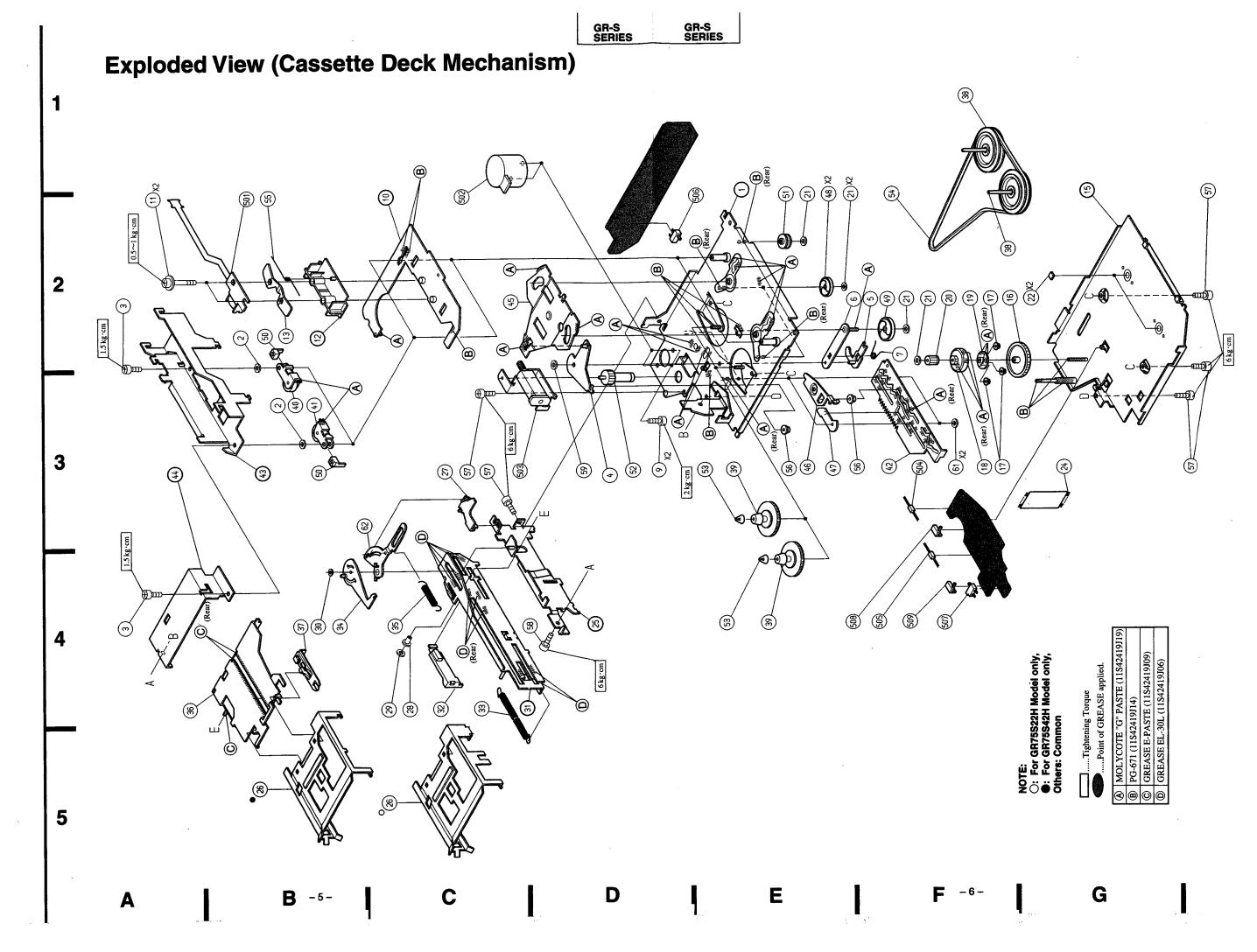
NOTE: O: For GR75S410 Model Only, •: For GR75S42Y Model Only, Others: Common.

カセットデッキメカニズム関係部品表

※ 部品表に記入されていない部品は供給されません。

Г		索			標準			索			標準
	号	31	部品番号	部品名	卸価格	į	己号	31	部品番号	部品名	卸価格
Г	2		04B41345P32	Washer, Lock (M3.1)	45		56	3-E	43A71774W01	Roller, Mode	50
I	3	l	03S43997P63	Screw, Pan (M1.7X4)	45		57	١.,	03S44205G30	Screw, Pan (M2.6X4)	45
	4		01A90342W02	Assy., Riv. Select Swing		•	58		03A80629W01	Screw, Special (M2.6X6)	50 45
	5		01A71714W01	Assy., Riv. RF Lever A	120	1_	59		04B41345P02 04S40075G05	Washer, Lock (M1.7) Washer, Polyslider (M2.1)	45
	6	2-E	01A90341W02	Assy., Riv. RF Lever B		•	60		04540075G05 04T55449W01	Washer, Polyslider (M2.1)	45
	7	a E	44 4717013401	Spring, RF	45	•	or	2-5	041334494401	Washer, Folysider (W.2.1)	73
	9	2-F 3-D	41A71781W01 03C42723U12	Spring, RF Screw, Cup (M2X2.5)	45		61	3.F	04B41345P23	Washer, Lock (M1.7)	45
I	11		03C42723012 03A80452W02	Screw, F Locks	45		62		45A90322W02	Lever, Eject Arm A	
	'' <i>-</i>	2-7	03/1804324102	(M2X10.7)	"	1	-	0.0		3 0000, 3 000 0000 000	
1	13	2-B	41A31756W01	Spring, Head	60						
1	16		44A71747W01	Gear, Sun	50	1					
									<u> </u>	<u> </u>	
	17		44A71748W01	Gear, Planet	45		70	の他の	の電気部品		
	18	3-F	44A71749W01	Gear, Inner	l — I	0	501		88T95215W02	Head	1,210
	19	2-F	44A71751W01	Pinion, Eject Base	100	•	501	2-B	88T75612W03	Head	1,240
	20	2-F	44A71752W01	Pinion, Eject	90	0	502	2-C	01V94900W74	Assy., Main Motor	1,460
	21	1	04B41345P11	Washer, Lock (M1.2)	45	1				(13.2V-95mA)	
		,				•	502	2-C	01V74500W16	Assy., Main Motor	1,480
1	22	2-G	43A41656W01	Spacer, UHMW-PE	45		1			(13.2V-95mA)	
I	24	3-G	30T65174W07	Wire, Flat 10P	160	1	503	3-C	01V74500W23	Assy., Sub Motor	1,500
1	26	5-B	07B71778W01	Holder, Cassette	240	1		Ì		(7V-370mA)	
1	27	3-C	45A71736W03	Lever, Pack In Switch							
1	28	4-C	43A71775W01	Roller, Plate Base	50		504	i .	51T63433F03	Sensor, Photo ON2170-R2	310
						1	505		51T63433F03	Sensor, Photo ON2170-R2	310
	29	ı	04B41345P01	Washer, Lock (M1.2)	45	1	506	2-0	40T15222W01	Switch, Detector	130
1	30	4-B	04B41345P15	Washer, Lock (M1.2)	45	1	507	4 =	40T1E202W02	(PACK IN)	130
	32	4-C	44A71753W01	Rack, GR-S	130 80	ı	507 508	4-F 4-E	40T15382W02 40T15382W02	Switch, Detector (PAUSE) Switch, Detector (MODE)	130
1	33 34	4-C 4-B	41A80634W01 01A90346W02	Spring, Rack Assy., Riv. Eject Arm (B)	٥٥		308	4-6	40115562W02	Switch, Detector (MODE)	150
	34	4-0	01A90346W02	Assy., Riv. Eject Arm (B)	-	ı	509	4-F	40T15382W02	Switch, Detector (METAL)	130
	35	4-C	41B63283F11	Spring	45	1	300	7.	1401100021102	Cintori, Botodioi (ing. 1712)	
	36	4-A	01A71712W01	Assy., Riv. Plate Base	260						
	37		45B71750W01	Slider	45	ı					
0	38	'-	01A90350W01	Assy., Flywheel	380	ı					
	38	l	01A71783W10	Assy., Flywheel	450	ı					
`			ŀ			1					
ł	39	1	01A71784W01	Reel	370	l	1				
	40	3-В	01B30863W01	Assy., Pinch Roller	240	l					
	41	3-B	01B30863W02	Assy., Pinch Roller	240						
	42	3-F	44B71726W01	Rack, Mode	120	ĺ					
	45	2-C	45B90320W02	Lever, Select		1					
l											
	46		45A71737W03	Lever, Mode Switch	—						
	47	i .	45A71733W03	Lever, Lock	-					' I	
•	48	į.	44A71741W01	Gear, Take Up	45	1					
	49	2-F	44A71742W01	Gear, RF	45 45	1					
1	50		43A71743W01	Guide, Pack	45	1					
			404717443404	Pulloy Idler	15	1					
1	51 52		49A71744W01	Pulley, Idler Pinion, Motor	45 60	1					
1	52 53	טיט	44A71746W01 49A81855W01	Reel, Cap	45	1					
1	54	2-F	42A71780W02	Belt	140	1				1	
	55	ŀ	41A10387W02	Spring, Pinch Roller	45	1					
1				-1- /-31	"]						
1						1					
<u> </u>			<u> </u>	<u> </u>		_			<u> </u>	·	

注記:○:GR75S410 モデル専用, ●:GR75S42Y モデル専用, その他:共通

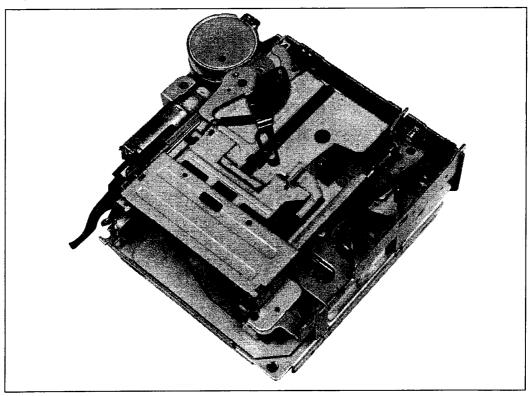




Cassette Deck Mechanism

ADDENDUM & REVISED (III)

- This manual is described on GR75S22H/42H only. The GR75S22H/42H is developed from GR-S SERIES. For information that is not mentioned in this service manual, refer to the Service Manual GR-S SERIES (68E26177S01).
- 当マニュアルはGR75S22H/42Hについてのみ記載しております。又、GR-S SERIESがベースモデルとなっておりますので、相違部分のみ記載しております。詳細についてはGR-S SERIES (68E26177S01) を参照願います。



Contents -	
Cassette Deck Mechanism Assembly Parts List	
Exploded View (Cassette Deck Mechanism)	5 to 6
Basic Operation of GR-S Mechanism Disassembly, Assembly and Replacement of Function Parts	Refer to the Service Manual • GR-S SERIES (Part No. 68E23241S01).

NOTE: Due to continuing product improvement, specifications and designs are subject to change without notice.

Cassette Deck Mechanism Assembly Parts List

	NOTE:No parts number on parts list are not supplied.							parts list are not supplied.	
Syn	nbol	Index	Part No.	Description	Sy	mbol	Index	Part No.	Description
N				Ì	N	lo.			
	2	-	04B41345P32	Washer, Lock (M3.1)	•	47	3-E	45A71733W03	Lever, Lock
	3		03S43997P63	Screw, Pan (M1.7X4)	ı	48	2-E	44A71741W01	Gear, Take Up
	4	3-D	01A90342W01	Assy., Riv. Select Swing	1	49	2-F	44A71742W01	Gear, RF
	4		01A90342W02	Assy., Riv. Select Swing	1	50		43A71743W01	Guide, Pack
-				1 1	1	51	2.F	49A71744W01	Pulley, Idler
0	5	2-F	01A90340W01	Assy., Riv. RF Lever A	1	٦' ا		40/1/1/4/1/01	1 2.00,
		i.		l	•		٠.	444747463404	Pinion, Motor
	5		01A71714W01	Assy., Riv. RF Lever A	l	52	3-0	44A71746W01	·
0	6	2-E	01A90341W01	Assy., Riv. RF Lever B	ł	53		49A81855W01	Reel, Cap
	6	2-E	01A90341W02	Assy., Riv. RF Lever B	1	54		42A71780W02	Belt
	7	2-F	41A71781W01	Spring, RF		55	2-B	41A10387W02	Spring, Pinch Roller
	9	3-D	03C42723U12	Screw, Cup (M2X2.5)		56		43A71774W01	Roller, Mode
	11	2-A	03A80452W02	Screw, F Locks (M2X10.7)		57		03S44205G30	Screw, Pan (M2.6X4)
	13		41A31756W01	Spring, Head		58	4-D	03A80629W01	Screw, Special (M2.6X6)
	16		44A71747W01	Gear, Sun		59	3-D	04B41345P02	Washer, Lock (M1.7)
		2-1	44A71748W01	Gear, Planet	1	61		04B41345P23	Washer, Lock (M1.7)
	17		1	1	_	62		45A90322W01	Lever, Eject Arm A
	18	3-F	44A71749W01	Gear, Inner	0	02	3.5	45A903224401	Level, Lject Ami A
			t .		i			454000000000	Louis Fiest Arm A
	19	2-F	44A71751W01	Pinion, Eject Base	•	62	3-B	45A90322W02	Lever, Eject Arm A
	20	2-F	44A71752W01	Pinion, Eject	1			l	
	21		04B41345P11	Washer, Lock (M1.2)	4	l	l		
	22	2-G	43A41656W01	Spacer, UHMW-PE		l	l		
	24	3-G	30T65174W07	Wire, Flat 10P		l	l		
						l			
0	26	5-C	07B40012W01	Holder, Cassette					
	26	5-B	07B71778W01	Holder, Cassette		Mis	cella	aneous	
_	27		45A71736W02	Lever, Pack In Switch		501		88T75612W03	Head
\sim	27		45A71736W03	Lever, Pack In Switch		502	2-C	01V74500W16	Assy., Main Motor (13.2V-95mA)
•	28		43A71775W01	Roller, Plate Base		502	1	01V94900W74	Assy., Main Motor (13.2V-95mA)
	20	4-0	437/1//3001	Holler, Flate Buse		503		01V91700W81	Assy., Sub Motor (7V-370mA)
		۱.,		Markey Look (MA O)	0	503		01V11700Y92	Assy., Sub Motor (7V-370mA)
	29	l .	04B41345P01	Washer, Lock (M1.2)	•	1303	3~	01411700192	Assy., Out Motor (14 070mm)
	30		04B41345P15	Washer, Lock (M1.2)	1	l		54700400500	Sensor, Photo ON2170-R2
	32		44A71753W01	Rack, GR-S		504		51T63433F03	- ' · · · ·
	33	4-C	41A80634W01	Spring, Rack		505	1	51T63433F03	Sensor, Photo ON2170-R2
0	34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)	1	506	2-D	40T15222W01	Switch, Detector (PACK IN)
		1	1			507	4-F	40T15382W02	Switch, Detector (PAUSE)
l •	34	4-B	01A90346W02	Assy., Riv. Eject Arm (B)	1	508	4-E	40T15382W02	Switch, Detector (MODE)
	35	4-C	41B63283F11	Spring	1	l	1		
0	36	4-A	01A40024W03	Assy., Riv. Plate Base		509	4-F	40T15382W02	Switch, Detector (METAL)
	36	ı	01A71712W01	Assy., Riv. Plate Base	i	1			
▍▔▏	37		45B71750W01	Slider	1			1	
		-		ļ	1	1		1	1
	38	1	01A90350W01	Assy., Flywheel	1	1	l		
				Reel	1			1	1
ŀ	39	٦, ا	01A71784W01	1	1	1		1	
	40		01B30863W01	Assy., Pinch Roller		1	1		•
. 1	41		01B30863W02	Assy., Pinch Roller	1	1	1		
0	42	3-F	44B90318W01	Rack, Mode B	1	1			
			_	<u> </u>	1	1			1
•	42	3-F	44B71726W01	Rack, Mode	1		1		
0	4 5	2-C	45B90320W01	Lever, Select		1	l		
	45	2-C	45B90320W02	Lever, Select	ł]		
0	46	3-E	45A71737W02	Lever, Mode Switch	1	l	1	[
ě	46	3-E	45A71737W03	Lever, Mode Switch	1	1		l	
			!			1	1	1	
0	47	3-E	45A71733W02	Lever, Lock					1
	Ι΄΄			· .		1			1
				<u> </u>				L	

NOTE: O: For GR75S22H Model Only,

: For GR75S42H Model Only, Others: Common.

カセット・デッキ・メカニズム関係部品表

※ 部品表に記入されていない部品は供給されません。

		索			標準						標準
	号	31	部品番号	部品名	卸価格	1	己号	衆引	部品番号	部品名	卸価格
l-"	2	 	04B41345P32	Washer, Lock (M3.1)	45		47	3-E	45A71733W03	Lever, Lock	_
Į.	3	ł	03S43997P63	Screw, Pan (M1.7X4)	45		48	2-E	44A71741W01	Gear, Take Up	45
0	4	3-D	01A90342W01	Assy., Riv. Select Swing			49	2-F	44A71742W01	Gear, RF	45
Ğ	4	3-D	01A90342W02	Assy., Riv. Select Swing	<u> </u>		50	l	43A71743W01	Guide, Pack	45
0	5	2-F	01A90340W01	Assy., Riv. RF Lever A	160		51	2-E	49A71744W01	Pulley, Idler	45
Ĭ								l			
•	5	2-F	01A71714W01	Assy., Riv. RF Lever A	120		52	3-D	44A71746W01	Pinion, Motor	60
0	6	2-E	01A90341W01	Assy., Riv. RF Lever B	_		53		49A81855W01	Reel, Cap	45
•	6	2-E	01A90341W02	Assy., Riv. RF Lever B			54	2-F	42A71780W02	Belt	140
ı	7	2-F	41A71781W01	Spring, RF	45		55	2-B	41A10387W02	Spring, Pinch Roller	45
	9	3-D	03C42723U12	Screw, Cup (M2X2.5)	45	1	56		43A71774W01	Roller, Mode	50
		١		5 A 1 - (140)(40 T)					00044005000	Caratti Dan (MO CVA)	45
1	11	1	03A80452W02	Screw, F Locks (M2X10.7)	45	İ	57		03S44205G30	Screw, Pan (M2.6X4)	45 50
İ	13	2-B	41A31756W01	Spring, Head	60		58		03A80629W01	Screw, Special (M2.6X6)	45
	16	2-F	44A71747W01	Gear, Sun	50		59		04B41345P02	Washer, Lock (M1.7)	
	17		44A71748W01	Gear, Planet	45		61		04B41345P23	Washer, Lock (M1.7)	45
	18	3-F	44A71749W01	Gear, Inner	-	0	62	J-B	45A90322W01	Lever, Eject Arm A	
	19	2-F	44A71751W01	Pinion, Eject Base	100	١.	62	3-R	45A90322W02	Lever, Eject Arm A	
i	20		44A71752W01	Pinion, Eject Base	90	•		٦٠	45/4505221102	Lover, Ljock Allin A	
	21	2.4	04B41345P11	Washer, Lock (M1.2)	45						
	22	ء د	43A41656W01	Spacer, UHMW-PE	45	Į.					
l	24	1	30T65174W07	Wire, Flat 10P	160						
i	-4	3.0	301031744407	VVIIC, FIEL TO		ľ					
	26	5-C	07B40012W01	Holder, Cassette	280	-				L	
0	26	1	07B71778W01	Holder, Cassette	240		20	D4H	の電気部品		
	27	1	45A71736W02	Lever, Pack in Switch	_	H	501		88T75612W03	Head	1,240
	27	l	45A71736W03	Lever, Pack In Switch	_		502	2-C	01V74500W16	Assy., Main Motor	1,460
"	28		43A71775W01	Roller, Plate Base	50	ľ				(13.2V-95mA)	
l.		'				ı.	502	2-C	01V94900W74	Assy., Main Motor	1,480
1	29	4-C	04B41345P01	Washer, Lock (M1.2)	45					(13.2V-95mA)	
	30		04B41345P15	Washer, Lock (M1.2)	45		503	3-C	01V91700W81	Assy., Sub Motor	1,440
1	32	ł	44A71753W01	Rack, GR-S	130	ľ				(7V-370mA)	
ł	33	4-C	41A80634W01	Spring, Rack	80	I •	503	3-C	01V11700Y92	Assy., Sub Motor	1,460
0	34	4-B	01A90346W01	Assy., Riv. Eject Arm (B)	— [ľ				(7V-370mA)	
Ŭ						i					
•	34	4-B	01A90346W02	Assy., Riv. Eject Arm (B)	-		504	3-F	51T63433F03	Sensor, Photo ON2170-R2	310
1	35	4-C	41B63283F11	Spring	45		505	4-F	51T63433F03	Sensor, Photo ON2170-R2	310
0	36	4-A	01A40024W03	Assy., Riv. Plate Base	240	1	506	2-D	40T15222W01	Switch, Detector	130
•	36	4-A	01A71712W01	Assy., Riv. Plate Base	260	1				(PACK IN)	
	37	4-B	45B71750W01	Slider	45	1	507	4-F	40T15382W02	Switch, Detector (PAUSE)	130
1							508	4-E	40T15382W02	Switch, Detector (MODE)	130
ŀ	38		01A90350W01	Assy., Flywheel	380						
1	39		01A71784W01	Reel	370	1	509	4-F	40T15382W02	Switch, Detector (METAL)	130
1	40	3-B	01B30863W01	Assy., Pinch Roller	240						
	41	3-B	01B30863W02	Assy., Pinch Roller	240					,	
0	42	3-F	44B90318W01	Rack, Mode B	160						
			l								
•	42		44B71726W01	Rack, Mode	120						
0			45B90320W01	Lever, Select						;	
•	45	i	45B90320W02	Lever, Select]	
0	46	ı	45A71737W02	Lever, Mode Switch	-						
•	46	3-E	45A71737W03	Lever, Mode Switch							
		۱		l anna danta							
0	47	3-E	45A71733W02	Lever, Lock							
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注記:○:GR75S22Hモデル専用, ●:GR75S42Hモデル専用, その他:共通

